Gene No.	92597	Strand	+
Start	159	End	2008
Name	OJ000210_24.0316.C8.o1.gs	Method	GENSCAN
Start	530	End	1845
GI	none	Score	.88
Exons	530..568, 672..741, 1437..1573, 1822..1845		

Seq. No.	44041	Seq. ID	OJ000210_24.0316.C11
Gene No.	92598	Strand	+
Start	1	End	1707
Name	OJ000210_24.0316.C11.o1.np	Method	AAT/NAP
Start	1	End	1707
GI	7340881	Score	218
Exons	1..393, 1674..1707		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44041	Seq. ID	OJ000210_24.0316.C11
Gene No.	92599	Strand	-
Start	1070	End	1707
Name	OJ000210_24.0316.C11.o2.np	Method	AAT/NAP
Start	1070	End	1707
GI	4680183	Score	130
Exons	1070..1220, 1666..1707		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92600	Strand	+
Start	1220	End	1351
Name	OJ000210_24.0316.C13.o1.gs	Method	GENSCAN
Start	1220	End	1351
GI	none	Score	.82
Exons	1220..1351		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92601	Strand	+
Start	3445	End	7227
Name	OJ000210_24.0316.C13.o1.gp	Method	AAT/GAP
Start	3328	End	7227
GI	697_1.R1084	Score	4569
Exons	3328..3493, 4214..4481, 4566..4780, 4872..5114, 5412..5891, 5987..6140, 6248..6330, 6416..7227		
GI Descrip.	'2267006 0.0e+00 (AF006825) endosperm lumenal binding protein [Oryza sativa]'		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92601	Strand	+
Start	3445	End	7227
Name	OJ000210_24.0316.C13.o2.gs	Method	GENSCAN
Start	3445	End	6791
GI	none	Score	.93
Exons	3445..3493, 4214..4481, 4566..4780, 4872..5114, 5412..5891, 6031..6140, 6248..6330, 6416..6791		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92601	Strand	+
Start	3445	End	7227
Name	OJ000210_24.0316.C13.o2.np	Method	AAT/NAP

Start	3445	End	6917
GI	7441868	Score	3049
Exons	3445..3493, 4214..4481, 4566..4780, 4872..5114, 5412..5891, 5987..6140, 6248..6330, 6416..6917		
GI Descrip.	dnaK-type molecular chaperone BiP - rice gi|2267006|gb|AAB63469.1| (AF006825) endosperm lumenal binding protein [Oryza sativa]		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o1.np	Method	AAT/NAP
Start	1	End	8128
GI	7106516	Score	175
Exons	1..78, 1649..1837, 2594..2663, 7372..7487, 8091..8128		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o2.tw	Method	TBLASTX:Wheat
Start	3436	End	4642
GI	none	Score	78
Exons	3436..3501, 3442..3498, 4203..4481, 4204..4482, 4208..4483, 4563..4640, 4564..4641, 4565..4642		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o1.tm	Method	TBLASTX:Maize
Start	3439	End	6854
GI	none	Score	80
Exons	3439..3516, 3444..3527, 3445..3516, 4203..4481, 4204..4482, 4208..4483, 4280..4492, 4564..4779, 4565..4684, 4614..4778, 4736..4786, 4861..4932, 4870..5115, 4871..5116, 4944..5117, 5410..5448, 5411..5929, 5493..5804, 5807..5890, 5982..6089, 5985..6077, 6077..6148, 6078..6143, 6246..6329, 6247..6330, 6248..6331, 6399..6473, 6413..6520, 6413..6670, 6414..6692, 6750..6854		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o1.tc	Method	TBLASTX:Cress
Start	4191	End	6854
GI	none	Score	200
Exons	4191..4457, 4198..4482, 4212..4481, 4564..4779, 4567..4686, 4614..4778, 4851..4907, 4857..4916, 4861..4932, 4871..5116, 4876..5115, 4959..5117, 5410..5448, 5411..5929, 5498..5752, 5554..5769, 5807..5890, 5985..6077, 5986..6078, 6077..6148, 6078..6143, 6247..6330, 6248..6331, 6389..6667, 6414..6854		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o1.ts	Method	TBLASTX:Soybean
Start	4212	End	6854

GI	none	Score	429
Exons	4212..4481, 4213..4482, 4214..4483, 4564..4779, 4567..4776, 4614..4778, 4861..4932, 4869..4907, 4871..5116, 4876..5115, 4944..5117, 5406..5450, 5411..5929, 5501..5752, 5551..5772, 5807..5890, 5853..5891, 5985..6077, 5986..6078, 6077..6148, 6078..6143, 6080..6157, 6247..6330, 6248..6331, 6413..6520, 6413..6544, 6414..6575, 6537..6854, 6614..6661		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o3.tw	Method	TBLASTX:Wheat
Start	4662	End	6848
GI	none	Score	126
Exons	4662..4778, 4663..4779, 4842..4916, 4861..4926, 4871..4993, 4874..4984, 4876..4992, 4984..5112, 4984..5115, 4997..5116, 6055..6078, 6063..6080, 6078..6143, 6079..6141, 6236..6331, 6244..6330, 6247..6339, 6413..6520, 6413..6541, 6414..6677, 6750..6848		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o1.tw	Method	TBLASTX:Wheat
Start	5526	End	6047
GI	none	Score	190
Exons	5526..5687, 5528..5755, 5530..5772, 5546..5875, 5551..5772, 5825..5929, 5825..5887, 5985..6047, 5986..6045		

Seq. No.	44042	Seq. ID	OJ000210_24.0316.C13
Gene No.	92602	Strand	-
Start	1	End	11947
Name	OJ000210_24.0316.C13.o3.gs	Method	GENSCAN
Start	8017	End	11947
GI	none	Score	.46
Exons	8017..8197, 8894..9053, 10095..10405, 10410..10494, 10556..10587, 11772..11947		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92603	Strand	+
Start	57	End	253
Name	OJ000210_24.0316.C17.o1.gs	Method	GENSCAN
Start	57	End	253
GI	none	Score	.84
Exons	57..253		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92604	Strand	+
Start	1231	End	2537
Name	OJ000210_24.0316.C17.o1.np	Method	AAT/NAP
Start	1094	End	2537
GI	6143884	Score	105
Exons	1094..1379, 1690..1760, 1843..1915, 2084..2171, 2290..2349, 2454..2537		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17

Gene No.	92604	Strand	+
Start	1231	End	2537
Name	OJ000210_24.0316.C17.o1.gp	Method	AAT/GAP
Start	1172	End	2177
GI	none	Score	918
Exons	1172..1379, 1690..1760, 1843..1929, 2022..2177		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92604	Strand	+
Start	1231	End	2537
Name	OJ000210_24.0316.C17.o2.gs	Method	GENSCAN
Start	1231	End	2516
GI	none	Score	.93
Exons	1231..1379, 1643..1760, 1843..1929, 2022..2171, 2290..2349, 2454..2516		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92605	Strand	-
Start	2613	End	6455
Name	OJ000210_24.0316.C17.o2.gp	Method	AAT/GAP
Start	2613	End	5348
GI	29355_1.R1084	Score	2063
Exons	2613..2899, 3177..3248, 3468..3572, 3669..3767, 3838..3921, 4001..4058, 4136..4211, 4295..4347, 4439..4471, 4640..4705, 4784..4830, 4943..5000, 5095..5167, 5260..5348		
GI Descrip.	'2117937/pir||JC4785 1.0e-147 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley >gi_1212996_emb_CAA62689_ (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]'		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92605	Strand	-
Start	2613	End	6455
Name	OJ000210_24.0316.C17.o3.gs	Method	GENSCAN
Start	2873	End	6407
GI	none	Score	.97
Exons	2873..2899, 3177..3248, 3468..3572, 3669..3767, 3838..3921, 4002..4058, 4136..4211, 4295..4347, 4439..4471, 4640..4705, 5095..5167, 5260..5333, 5716..5776, 5893..6075, 6349..6407		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92605	Strand	-
Start	2613	End	6455
Name	OJ000210_24.0316.C17.o2.np	Method	AAT/NAP
Start	2876	End	6407
GI	7417426	Score	1812
Exons	2876..2899, 3177..3248, 3468..3572, 3669..3767, 3838..3921, 4002..4058, 4136..4211, 4295..4343, 4435..4471, 4640..4705, 4784..4830, 4943..5000, 5095..5167, 5260..5333, 5413..5463, 5541..5618, 5716..5776, 5893..6075, 6195..6242, 6349..6407		
GI Descrip.	(AF249880) UDP-glucose pyrophosphorylase [Oryza sativa subsp. indica]		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92605	Strand	-
Start	2613	End	6455
Name	OJ000210_24.0316.C17.o3.gp	Method	AAT/GAP

Start	5412	End	6455
GI	31303_1.R1084	Score	935
Exons	5412..5463, 5541..5618, 5716..5776, 5893..6075, 6195..6242, 6349..6455		
GI Descrip.	'2117937/pir||JC4785 2.0e-60 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley >gi_1212996_emb_CAA62689_ (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]'		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o2.ts	Method	TBLASTX:Soybean
Start	1685	End	2349
GI	none	Score	117
Exons	1685..1762, 1692..1763, 1837..1929, 1842..1925, 2021..2170, 2022..2171, 2287..2349, 2292..2348		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o2.tc	Method	TBLASTX:Cress
Start	1691	End	2513
GI	none	Score	90
Exons	1691..1762, 1692..1763, 1831..1929, 1842..1925, 2021..2167, 2022..2171, 2287..2349, 2289..2348, 2448..2513		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o1.tm	Method	TBLASTX:Maize
Start	3175	End	6421
GI	none	Score	110
Exons	3175..3252, 3175..3252, 3177..3257, 3469..3573, 3477..3575, 3666..3773, 3667..3771, 3668..3787, 3809..3922, 3838..3924, 3840..3923, 4002..4067, 4002..4061, 4134..4211, 4136..4210, 4273..4359, 4280..4366, 4285..4389, 4433..4474, 4437..4472, 4438..4473, 4637..4705, 4638..4706, 4642..4707, 4642..4710, 4744..4830, 4781..4831, 4782..4829, 4783..4830, 4930..5016, 4944..5003, 5095..5166, 5096..5167, 5257..5334, 5257..5334, 5258..5335, 5259..5336, 5410..5469, 5413..5469, 5417..5476, 5526..5624, 5542..5619, 5543..5620, 5716..5778, 5717..5779, 5717..5782, 5847..5918, 5887..6078, 5970..6098, 6195..6245, 6197..6244, 6336..6407, 6349..6408, 6350..6412, 6350..6421		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o1.ts	Method	TBLASTX:Soybean
Start	3175	End	6265
GI	none	Score	68
Exons	3175..3255, 3177..3257, 3477..3575, 3487..3564, 3666..3773, 3667..3768, 3838..3924, 3842..3922, 3845..3940, 4002..4061, 4002..4061, 4134..4211, 4136..4210, 4274..4366, 4285..4389, 4434..4472, 4438..4473, 4637..4705, 4638..4706, 4778..4825, 4781..4831, 4782..4829, 4935..5003, 4936..5004, 4944..5003, 5087..5167, 5094..5168, 5095..5169, 5095..5166, 5257..5334,		

5258..5335, 5259..5336, 5410..5466, 5417..5464, 5526..5624,
5542..5616, 5716..5778, 5717..5779, 5847..5918, 5887..6063,
5985..6065, 6170..6265, 6171..6245

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o1.tc	Method	TBLASTX:Cress
Start	3177	End	4472
GI	none	Score	78

Exons 3177..3266, 3178..3255, 3477..3575, 3478..3612, 3646..3768,
3666..3773, 3668..3790, 3838..3924, 3842..3922, 3990..4061,
4003..4026, 4014..4061, 4133..4210, 4134..4211, 4136..4210,
4280..4348, 4285..4347, 4433..4471, 4434..4472

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o2.tw	Method	TBLASTX:Wheat
Start	4637	End	5466
GI	none	Score	54

Exons 4637..4705, 4640..4705, 4644..4706, 4651..4722, 4781..4831,
4782..4829, 4785..4835, 4930..5004, 4944..5003, 5095..5166,
5096..5167, 5257..5334, 5259..5336, 5410..5466, 5413..5466

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o3.tc	Method	TBLASTX:Cress
Start	4936	End	5931
GI	none	Score	39

Exons 4936..4971, 4947..4967, 4954..5004, 4959..5003, 5087..5167,
5095..5166, 5107..5169, 5257..5334, 5259..5336, 5410..5466,
5414..5464, 5526..5624, 5542..5616, 5716..5778, 5717..5776,
5847..5918, 5887..5931

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o4.gs	Method	GENSCAN
Start	7000	End	12655
GI	none	Score	.57

Exons 7000..7367, 7762..7893, 8106..8243, 8427..8514, 8607..8696,
8788..8854, 9327..9702, 10724..10898, 11512..11691,
11780..12029, 12504..12655

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o4.ts	Method	TBLASTX:Soybean
Start	8458	End	10716
GI	none	Score	62

Exons 8458..8571, 8459..8572, 8604..8693, 8606..8695, 8607..8696,
8608..8706, 8780..8854, 8785..8859, 8785..8853, 8790..8855,
9947..10066, 9949..10071, 10660..10716

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17

Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o2.tm	Method	TBLASTX:Maize
Start	11399	End	11824
GI	none	Score	405
Exons	11399..11692, 11399..11692, 11404..11694, 11404..11694, 11769..11813, 11777..11824		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o3.np	Method	AAT/NAP
Start	11413	End	12682
GI	4263820	Score	352
Exons	11413..11691, 11780..12029, 12501..12682		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o4.tc	Method	TBLASTX:Cress
Start	11419	End	11605
GI	none	Score	187
Exons	11419..11604, 11432..11605		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o3.ts	Method	TBLASTX:Soybean
Start	11596	End	11929
GI	none	Score	80
Exons	11596..11694, 11597..11692, 11771..11929, 11778..11927		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o4.gp	Method	AAT/GAP
Start	11625	End	12577
GI	2431383	Score	731
Exons	11625..11691, 11780..12029, 12504..12577		
GI Descrip.	4263820/gb|AAD15463| 1.0e-21 (AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44043	Seq. ID	OJ000210_24.0316.C17
Gene No.	92606	Strand	-
Start	7000	End	12682
Name	OJ000210_24.0316.C17.o1.tw	Method	TBLASTX:Wheat
Start	11762	End	12037
GI	none	Score	358
Exons	11762..12037, 11778..12035		

Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92607	Strand	+
Start	3897	End	4004
Name	OJ000210_24.0316.C18.o1.gp	Method	AAT/GAP
Start	3897	End	4004
GI	LIB3477-003-P1-K1-E9	Score	143

Exons	3897..4004		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92608	Strand	-
Start	373	End	1833
Name	OJ000210_24.0316.C18.o1.np	Method	AAT/NAP
Start	370	End	942
GI	4522011	Score	445
Exons	370..942		
GI Descrip.	(AC007069) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92608	Strand	-
Start	373	End	1833
Name	OJ000210_24.0316.C18.o1.gs	Method	GENSCAN
Start	373	End	1833
GI	none	Score	.87
Exons	373..1833		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92609	Strand	-
Start	3238	End	3841
Name	OJ000210_24.0316.C18.o1.ts	Method	TBLASTX:Soybean
Start	613	End	870
GI	none	Score	102
Exons	613..645, 661..870, 662..847		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92609	Strand	-
Start	3238	End	3841
Name	OJ000210_24.0316.C18.o2.tm	Method	TBLASTX:Maize
Start	670	End	885
GI	none	Score	242
Exons	670..870, 671..853, 760..885		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92609	Strand	-
Start	3238	End	3841
Name	OJ000210_24.0316.C18.o1.tm	Method	TBLASTX:Maize
Start	933	End	1222
GI	none	Score	151
Exons	933..1067, 934..1068, 935..1069, 1066..1221, 1070..1222		
Seq. No.	44044	Seq. ID	OJ000210_24.0316.C18
Gene No.	92609	Strand	-
Start	3238	End	3841
Name	OJ000210_24.0316.C18.o2.gs	Method	GENSCAN
Start	3238	End	3841
GI	none	Score	.59
Exons	3238..3377, 3594..3841		
Seq. No.	44045	Seq. ID	OJ000210_24.0316.C19
Gene No.	92610	Strand	-
Start	1039	End	1170

Name	OJ000210_24.0316.C19.o1.gs	Method	GENSCAN
Start	1039	End	1170
GI	none	Score	.53
Exons	1039..1170		

Seq. No.	44046	Seq. ID	OJ000210_24.0316.C22
Gene No.	92611	Strand	-
Start	1	End	707
Name	OJ000210_24.0316.C22.o1.np	Method	AAT/NAP
Start	1	End	707
GI	5852093	Score	76
Exons	1..26, 208..375, 650..707		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44046	Seq. ID	OJ000210_24.0316.C22
Gene No.	92611	Strand	-
Start	1	End	707
Name	OJ000210_24.0316.C22.o1.gs	Method	GENSCAN
Start	233	End	392
GI	none	Score	.52
Exons	233..392		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92612	Strand	+
Start	582	End	1818
Name	OJ000210_24.0316.C23.o1.gs	Method	GENSCAN
Start	582	End	1818
GI	none	Score	.67
Exons	582..667, 1509..1642, 1699..1818		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92613	Strand	+
Start	1729	End	4473
Name	OJ000210_24.0316.C23.o1.gp	Method	AAT/GAP
Start	1729	End	4319
GI	82_1.R1084	Score	3626
Exons	1729..1802, 2091..2891, 2978..3580, 3930..4319		
GI Descrip.	'2130069/pir||S70588 0.0e+00 catalase (EC 1.11.1.6) catA - rice >gi_1261858_dbj_BAA06232_ (D29966) catalase [Oryza sativa]'		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92613	Strand	+
Start	1729	End	4473
Name	OJ000210_24.0316.C23.o1.np	Method	AAT/NAP
Start	2076	End	3986
GI	1705624	Score	2556
Exons	2076..2891, 2978..3580, 3930..3986		
GI Descrip.	CATALASE ISOZYME A (CAT-A)		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92613	Strand	+
Start	1729	End	4473
Name	OJ000210_24.0316.C23.o3.gs	Method	GENSCAN
Start	3037	End	4473
GI	none	Score	.6
Exons	3037..3328, 4349..4473		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92614	Strand	-
Start	2079	End	2903
Name	OJ000210_24.0316.C23.o2.gs	Method	GENSCAN
Start	2079	End	2903
GI	none	Score	.99
Exons	2079..2903		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o1.tc	Method	TBLASTX:Cress
Start	2078	End	3998
GI	none	Score	1184
Exons	2078..2899, 2082..2900, 3029..3232, 3103..3213, 3227..3580, 3229..3501, 3918..3998		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o1.tm	Method	TBLASTX:Maize
Start	2078	End	3989
GI	none	Score	1178
Exons	2078..2899, 2082..2900, 3008..3244, 3021..3242, 3029..3580, 3103..3564, 3488..3580, 3927..3989		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o1.ts	Method	TBLASTX:Soybean
Start	2078	End	3989
GI	none	Score	1174
Exons	2078..2899, 2082..2900, 3029..3580, 3103..3561, 3918..3989		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o2.tw	Method	TBLASTX:Wheat
Start	2078	End	2366
GI	none	Score	437
Exons	2078..2365, 2082..2366		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o1.tw	Method	TBLASTX:Wheat
Start	2505	End	3415
GI	none	Score	669
Exons	2505..2900, 2507..2899, 2977..3039, 3005..3250, 3029..3376, 3103..3375, 3356..3415		

Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o2.gp	Method	AAT/GAP
Start	4811	End	5102
GI	8182_1.R1084	Score	555

Exons	4811..5102		
GI Descrip.	'1261857/dbj|D29966|RICCA 3.0e-21 Rice CatA gene for catalase, complete cds'		
Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o4.gs	Method	GENSCAN
Start	4940	End	9362
GI	none	Score	.93
Exons	4940..5065, 5116..5181, 5275..5343, 5456..5563, 6206..6295, 6400..6471, 6692..6778, 6844..6915, 7040..7147, 7224..7523, 7616..7714, 7913..8030, 8246..8363, 8438..8512, 8597..9362		
Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o3.tm	Method	TBLASTX:Maize
Start	5107	End	6443
GI	none	Score	78
Exons	5107..5184, 5111..5182, 5272..5346, 5272..5343, 5273..5347, 5274..5345, 5453..5569, 5454..5564, 5455..5583, 6206..6301, 6207..6296, 6400..6441, 6402..6440, 6402..6443		
Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o3.gp	Method	AAT/GAP
Start	6443	End	7486
GI	none	Score	957
Exons	6443..6471, 6692..6778, 6844..6915, 7040..7147, 7224..7486		
Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o2.ts	Method	TBLASTX:Soybean
Start	6684	End	7673
GI	none	Score	62
Exons	6684..6779, 6689..6781, 6692..6787, 6841..6924, 6842..6928, 7040..7123, 7224..7523, 7228..7524, 7580..7669, 7584..7673		
Seq. No.	44047	Seq. ID	OJ000210_24.0316.C23
Gene No.	92615	Strand	-
Start	4940	End	9362
Name	OJ000210_24.0316.C23.o2.tm	Method	TBLASTX:Maize
Start	7326	End	7732
GI	none	Score	166
Exons	7326..7523, 7326..7523, 7336..7524, 7580..7732, 7607..7717, 7615..7728		
Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92616	Strand	+
Start	2568	End	2792
Name	OJ000210_24.0316.C24.o4.np	Method	AAT/NAP
Start	2568	End	2792
GI	82227	Score	233
Exons	2568..2792		

GI Descrip. hypothetical protein 75 - common tobacco chloroplast gi|11786|emb|CAA26288| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi|11880|emb|CAA77393| (Z00044) hypothetical protein [Nicotiana tabacum] gi|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi|1223679|emb|CAA77400| (Z00044) hypothetical protein [Nicotiana tabacum] gi|225251|prf||1211235CK ORF 75 [Ni

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92617	Strand	-
Start	226	End	2356
Name	OJ000210_24.0316.C24.o1.gs	Method	GENSCAN
Start	226	End	529
GI	none	Score	.74
Exons	226..234, 422..529		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92617	Strand	-
Start	226	End	2356
Name	OJ000210_24.0316.C24.o3.np	Method	AAT/NAP
Start	354	End	2356
GI	225252	Score	193
Exons	354..375, 2114..2356		
GI Descrip.	ORF 350 [Nicotiana tabacum]		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92617	Strand	-
Start	226	End	2356
Name	OJ000210_24.0316.C24.o1.np	Method	AAT/NAP
Start	903	End	1158
GI	133799	Score	226
Exons	903..1158		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S15 gi|70994|pir||R3RZ15 ribosomal protein S15 - rice chloroplast gi|12045|emb|CAA33948| (X15901) ribosomal protein S15 [Oryza sativa] gi|12057|emb|CAA33912| (X15901) ribosomal protein S15 [Oryza sativa] gi|226665|prf||1603356CR ribosomal protein S15 [Oryza sativa]		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92617	Strand	-
Start	226	End	2356
Name	OJ000210_24.0316.C24.o1.gp	Method	AAT/GAP
Start	1101	End	1525
GI	5886_1.R1084	Score	778
Exons	1101..1525		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92617	Strand	-
Start	226	End	2356
Name	OJ000210_24.0316.C24.o2.np	Method	AAT/NAP
Start	1581	End	1769
GI	82533	Score	328
Exons	1581..1769		
GI Descrip.	hypothetical 7.5K protein (trnR-rps15 intergenic region) - rice		

chloroplast gi|12044|emb|CAA33947| (X15901) ORF63 [Oryza sativa] gi|12058|emb|CAA33913| (X15901) ORF63 [Oryza sativa] gi|226664|prf||1603356CQ ORF 63A [Oryza sativa]

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92618	Strand	-
Start	2891	End	2959
Name	OJ000210_24.0316.C24.o5.np	Method	AAT/NAP
Start	2891	End	2959
GI	82521	Score	112
Exons	2891..2959		
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|2130153|pir||S58624 hypothetical protein 23 - maize chloroplast gi|12043|emb|CAA33946| (X15901) ORF23 [Oryza sativa] gi|12059|emb|CAA33914| (X15901) ORF23 [Oryza sativa] gi|902278|emb|CAA60343| (X86563) ORF23 [Zea mays] gi|902293|emb|CAA60357| (X86563) ORF23 [Zea mays] gi|226662|prf||1603356CN ORF		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92619	Strand	-
Start	2959	End	3234
Name	OJ000210_24.0316.C24.o2.tm	Method	TBLASTX:Maize
Start	1205	End	1475
GI	none	Score	99
Exons	1205..1264, 1208..1264, 1253..1474, 1254..1475, 1306..1356, 1306..1359, 1362..1475		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92619	Strand	-
Start	2959	End	3234
Name	OJ000210_24.0316.C24.o1.ts	Method	TBLASTX:Soybean
Start	2913	End	3234
GI	none	Score	79
Exons	2913..2996, 2915..2995, 2925..2999, 2997..3089, 3000..3086, 3002..3091, 3182..3232, 3184..3234, 3184..3234		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92619	Strand	-
Start	2959	End	3234
Name	OJ000210_24.0316.C24.o1.tm	Method	TBLASTX:Maize
Start	2927	End	3205
GI	none	Score	106
Exons	2927..2998, 2928..3035, 2928..3002, 2929..3024, 2969..3121, 2981..3127, 3000..3125, 3111..3203, 3112..3204, 3119..3205, 3119..3205		

Seq. No.	44048	Seq. ID	OJ000210_24.0316.C24
Gene No.	92619	Strand	-
Start	2959	End	3234
Name	OJ000210_24.0316.C24.o6.np	Method	AAT/NAP
Start	2959	End	3088
GI	1334366	Score	146
Exons	2959..3088		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25

Gene No.	92620	Strand	+
Start	138	End	505
Name	OJ000210_24.0316.C25.o1.np	Method	AAT/NAP
Start	138	End	505
GI	6723799	Score	337
Exons	138..248, 310..505		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723824|emb|CAB67235.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25
Gene No.	92621	Strand	-
Start	1	End	283
Name	OJ000210_24.0316.C25.o1.gp	Method	AAT/GAP
Start	1	End	283
GI	183_5.R1084	Score	507
Exons	1..283		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25
Gene No.	92622	Strand	-
Start	327	End	791
Name	OJ000210_24.0316.C25.o1.tm	Method	TBLASTX:Maize
Start	1	End	288
GI	none	Score	73
Exons	1..45, 2..43, 3..281, 4..270, 6..281, 40..288, 41..283		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25
Gene No.	92622	Strand	-
Start	327	End	791
Name	OJ000210_24.0316.C25.o1.ts	Method	TBLASTX:Soybean
Start	1	End	473
GI	none	Score	91
Exons	1..96, 15..95, 41..97, 103..177, 122..178, 125..184, 195..248, 311..400, 336..395, 392..463, 396..473, 399..464		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25
Gene No.	92622	Strand	-
Start	327	End	791
Name	OJ000210_24.0316.C25.o1.tc	Method	TBLASTX:Cress
Start	122	End	791
GI	none	Score	103
Exons	122..229, 123..209, 216..242, 218..247, 309..398, 316..435, 325..399, 392..445, 397..453, 398..445, 399..446, 410..481, 500..694, 501..581, 574..609, 578..610, 612..686, 646..693, 724..783, 726..791		

Seq. No.	44049	Seq. ID	OJ000210_24.0316.C25
Gene No.	92622	Strand	-
Start	327	End	791
Name	OJ000210_24.0316.C25.o1.gs	Method	GENSCAN
Start	327	End	397

GI	none	Score	.94
Exons	327..397		

Seq. No.	44050	Seq. ID	OJ000210_24.0316.C27
Gene No.	92623	Strand	-
Start	2511	End	2795
Name	OJ000210_24.0316.C27.o1.gs	Method	GENSCAN
Start	2511	End	2795
GI	none	Score	1
Exons	2511..2795		

Seq. No.	44051	Seq. ID	OJ000210_24.0316.C28
Gene No.	92624	Strand	-
Start	50	End	537
Name	OJ000210_24.0316.C28.o1.gs	Method	GENSCAN
Start	50	End	537
GI	none	Score	.93
Exons	50..313, 358..537		

Seq. No.	44051	Seq. ID	OJ000210_24.0316.C28
Gene No.	92625	Strand	-
Start	1813	End	2321
Name	OJ000210_24.0316.C28.o1.tc	Method	TBLASTX:Cress
Start	62	End	363
GI	none	Score	68
Exons	62..142, 146..214, 147..215, 244..363		

Seq. No.	44051	Seq. ID	OJ000210_24.0316.C28
Gene No.	92625	Strand	-
Start	1813	End	2321
Name	OJ000210_24.0316.C28.o1.np	Method	AAT/NAP
Start	1813	End	2321
GI	7523517	Score	279
Exons	1813..1867, 2012..2321		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44052	Seq. ID	OJ000210_24.0316.C30
Gene No.	92626	Strand	+
Start	231	End	352
Name	OJ000210_24.0316.C30.o1.gs	Method	GENSCAN
Start	231	End	352
GI	none	Score	.66
Exons	231..352		

Seq. No.	44053	Seq. ID	OJ000210_24.0316.C31
Gene No.	92627	Strand	+
Start	1	End	2181
Name	OJ000210_24.0316.C31.o1.np	Method	AAT/NAP
Start	1	End	2170
GI	7340881	Score	392
Exons	1..82, 169..493, 1137..1358, 2100..2170		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44053	Seq. ID	OJ000210_24.0316.C31
Gene No.	92627	Strand	+
Start	1	End	2181
Name	OJ000210_24.0316.C31.o3.np	Method	AAT/NAP

Start	1280	End	2181
GI	6721561	Score	91
Exons	1280..1381, 2139..2181		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44053	Seq. ID	OJ000210_24.0316.C31
Gene No.	92627	Strand	+
Start	1	End	2181
Name	OJ000210_24.0316.C31.o1.gp	Method	AAT/GAP
Start	1880	End	1986
GI	uC-osf1cyp088b12b1	Score	134
Exons	1880..1986		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44053	Seq. ID	OJ000210_24.0316.C31
Gene No.	92628	Strand	-
Start	153	End	458
Name	OJ000210_24.0316.C31.o1.gs	Method	GENSCAN
Start	153	End	458
GI	none	Score	.7
Exons	153..458		

Seq. No.	44053	Seq. ID	OJ000210_24.0316.C31
Gene No.	92629	Strand	-
Start	1158	End	1307
Name	OJ000210_24.0316.C31.o2.np	Method	AAT/NAP
Start	1158	End	1307
GI	4680183	Score	134
Exons	1158..1307		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44054	Seq. ID	OJ000210_24.0316.C32
Gene No.	92630	Strand	+
Start	1	End	725
Name	OJ000210_24.0316.C32.o1.gp	Method	AAT/GAP
Start	1	End	725
GI	1808_1.R1084	Score	774
Exons	1..120, 447..725		
GI Descrip.	'2244797/emb|CAB10220.1| 1.0e-22 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44054	Seq. ID	OJ000210_24.0316.C32
Gene No.	92630	Strand	+
Start	1	End	725
Name	OJ000210_24.0316.C32.o1.np	Method	AAT/NAP
Start	1	End	725
GI	7485040	Score	219
Exons	1..120, 447..600, 652..725		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244797|emb|CAB10220.1| (Z97336) hypothetical protein [Arabidopsis thaliana] gi|7268146|emb|CAB78483.1| (AL161538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44054	Seq. ID	OJ000210_24.0316.C32
Gene No.	92630	Strand	+
Start	1	End	725
Name	OJ000210_24.0316.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	725
GI	none	Score	93
Exons	1..120, 1..120, 2..121, 2..145, 445..513, 445..465, 450..551, 500..550, 528..725, 574..720, 615..725		

Seq. No.	44054	Seq. ID	OJ000210_24.0316.C32
Gene No.	92630	Strand	+
Start	1	End	725
Name	OJ000210_24.0316.C32.o1.gs	Method	GENSCAN
Start	50	End	515
GI	none	Score	.58
Exons	50..120, 447..515		

Seq. No.	44055	Seq. ID	OJ000210_24.0316.C33
Gene No.	92631	Strand	-
Start	1	End	717
Name	OJ000210_24.0316.C33.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6016691	Score	135
Exons	1..386, 646..717		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	44055	Seq. ID	OJ000210_24.0316.C33
Gene No.	92631	Strand	-
Start	1	End	717
Name	OJ000210_24.0316.C33.o1.gs	Method	GENSCAN
Start	10	End	372
GI	none	Score	1
Exons	10..372		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92632	Strand	+
Start	1	End	481
Name	OJ000210_26.0317.C3.o1.gp	Method	AAT/GAP
Start	1	End	481
GI	39067_1.R1084	Score	825
Exons	1..481		
GI Descrip.	'2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]'		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o1.gs	Method	GENSCAN
Start	141	End	4129
GI	none	Score	.9
Exons	141..557, 1043..1135, 1371..1460, 1542..1606, 2176..2246, 2367..2405, 4008..4129		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129

Name	OJ000210_26.0317.C3.o1.np	Method	AAT/NAP
Start	141	End	3805
GI	7489494	Score	712
Exons	141..557, 1043..1135, 1371..1463, 1542..1606, 2176..2246, 2367..2442, 3781..3805		
GI Descrip.	lysophospholipase homolog - rice gi|2801536|gb|AAB97366.1| (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	159	End	566
GI	none	Score	381
Exons	159..566, 169..561		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	165	End	507
GI	none	Score	206
Exons	165..506, 175..507		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	171	End	474
GI	none	Score	151
Exons	171..473, 229..474		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o2.gp	Method	AAT/GAP
Start	386	End	1460
GI	2428226	Score	570
Exons	386..557, 1043..1135, 1371..1460		
GI Descrip.	2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	420	End	1162
GI	none	Score	89
Exons	420..545, 420..566, 421..579, 1043..1162, 1044..1157		

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	992	End	4108
GI	none	Score	98
Exons	992..1177, 993..1151, 1371..1475, 1372..1452, 1545..1607,		

1579..1608, 2174..2245, 2175..2246, 2175..2249, 2176..2247, 2369..2407, 4046..4108

Seq. No.	44056	Seq. ID	OJ000210_26.0317.C3
Gene No.	92633	Strand	-
Start	141	End	4129
Name	OJ000210_26.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	1239	End	1601
GI	none	Score	39
Exons	1239..1274, 1239..1271, 1298..1357, 1306..1338, 1366..1464, 1366..1467, 1368..1466, 1368..1478, 1533..1601, 1536..1601		

Seq. No.	44057	Seq. ID	OJ000210_26.0317.C4
Gene No.	92634	Strand	+
Start	3228	End	3665
Name	OJ000210_26.0317.C4.o1.gs	Method	GENSCAN
Start	3228	End	3665
GI	none	Score	.47
Exons	3228..3665		

Seq. No.	44057	Seq. ID	OJ000210_26.0317.C4
Gene No.	92635	Strand	+
Start	4067	End	8520
Name	OJ000210_26.0317.C4.o1.np	Method	AAT/NAP
Start	4067	End	8520
GI	81286	Score	230
Exons	4067..4396, 4458..4509, 7132..7174, 7331..7569, 8462..8520		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	44057	Seq. ID	OJ000210_26.0317.C4
Gene No.	92636	Strand	+
Start	8619	End	8772
Name	OJ000210_26.0317.C4.o4.gs	Method	GENSCAN
Start	8619	End	8772
GI	none	Score	.8
Exons	8619..8772		

Seq. No.	44057	Seq. ID	OJ000210_26.0317.C4
Gene No.	92637	Strand	-
Start	6967	End	7581
Name	OJ000210_26.0317.C4.o3.gs	Method	GENSCAN
Start	6967	End	7581
GI	none	Score	1
Exons	6967..7581		

Seq. No.	44057	Seq. ID	OJ000210_26.0317.C4
Gene No.	92637	Strand	-
Start	6967	End	7581
Name	OJ000210_26.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	6970	End	7333
GI	none	Score	64
Exons	6970..7017, 6971..7021, 7066..7143, 7091..7144, 7204..7332, 7286..7333		

Seq. No.	44058	Seq. ID	OJ000210_26.0317.C5
Gene No.	92638	Strand	+

Start	1	End	4176
Name	OJ000210_26.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	2554
GI	7339707	Score	63
Exons	1..191, 1024..1200, 2421..2554		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	44058	Seq. ID	OJ000210_26.0317.C5
Gene No.	92638	Strand	+
Start	1	End	4176
Name	OJ000210_26.0317.C5.o2.np	Method	AAT/NAP
Start	2326	End	4176
GI	7436526	Score	546
Exons	2326..2553, 2738..2953, 3068..3179, 3595..3657, 3728..3866, 4082..4176		
GI Descrip.	phosphoribosylaminoimidazole carboxylase (EC 4.1.1.21) - Arabidopsis thaliana gi|3236251|gb|AAC23639.1| (AC004684) putative phosphoribosylaminoimidazole carboxylase [Arabidopsis thaliana]		

Seq. No.	44058	Seq. ID	OJ000210_26.0317.C5
Gene No.	92638	Strand	+
Start	1	End	4176
Name	OJ000210_26.0317.C5.o2.gs	Method	GENSCAN
Start	2438	End	4137
GI	none	Score	.93
Exons	2438..2616, 2738..2953, 3068..3179, 3595..3657, 3728..3866, 4082..4137		

Seq. No.	44058	Seq. ID	OJ000210_26.0317.C5
Gene No.	92639	Strand	-
Start	112	End	1798
Name	OJ000210_26.0317.C5.o1.gs	Method	GENSCAN
Start	112	End	1798
GI	none	Score	.82
Exons	112..904, 1759..1798		

Seq. No.	44058	Seq. ID	OJ000210_26.0317.C5
Gene No.	92640	Strand	
Start	3069	End	4139
Name	OJ000210_26.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	3069	End	4139
GI	none	Score	152
Exons	3069..3179, 3084..3179, 3086..3187, 3586..3660, 3590..3658, 3591..3659, 3725..3865, 3727..3867, 4081..4137, 4084..4137, 4086..4139, 4089..4139		

Seq. No.	44059	Seq. ID	OJ000210_26.0317.C6
Gene No.	92641	Strand	+
Start	700	End	1200
Name	OJ000210_26.0317.C6.o1.np	Method	AAT/NAP
Start	700	End	1200
GI	7436526	Score	350
Exons	700..773, 882..1029, 1117..1200		
GI Descrip.	phosphoribosylaminoimidazole carboxylase (EC 4.1.1.21) - Arabidopsis thaliana gi|3236251|gb|AAC23639.1| (AC004684) putative phosphoribosylaminoimidazole carboxylase [Arabidopsis		

thaliana]

Seq. No.	44059	Seq. ID	OJ000210_26.0317.C6
Gene No.	92642	Strand	-
Start	797	End	1200
Name	OJ000210_26.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	690	End	1200
GI	none	Score	71
Exons	690..773, 699..773, 712..774, 1117..1200, 1119..1199	879..1022, 880..1032, 1115..1198,	

Seq. No.	44059	Seq. ID	OJ000210_26.0317.C6
Gene No.	92642	Strand	-
Start	797	End	1200
Name	OJ000210_26.0317.C6.o1.gs	Method	GENSCAN
Start	797	End	897
GI	none	Score	.53
Exons	797..897		

Seq. No.	44060	Seq. ID	OJ000210_26.0317.C10
Gene No.	92643	Strand	+
Start	1	End	450
Name	OJ000210_26.0317.C10.o1.gp	Method	AAT/GAP
Start	1	End	450
GI	none	Score	861
Exons	1..450		

Seq. No.	44060	Seq. ID	OJ000210_26.0317.C10
Gene No.	92644	Strand	-
Start	30	End	570
Name	OJ000210_26.0317.C10.o1.gs	Method	GENSCAN
Start	30	End	570
GI	none	Score	.6
Exons	30..120, 259..570		

Seq. No.	44060	Seq. ID	OJ000210_26.0317.C10
Gene No.	92644	Strand	-
Start	30	End	570
Name	OJ000210_26.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	227	End	487
GI	none	Score	108
Exons	227..319, 233..334, 235..330, 323..484, 352..486, 362..487	240..335, 306..482, 307..411,	

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92645	Strand	+
Start	1757	End	2116
Name	OJ000210_26.0317.C11.o2.gp	Method	AAT/GAP
Start	1712	End	2116
GI	none	Score	467
Exons	1712..1939, 2072..2116		

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92645	Strand	+
Start	1757	End	2116
Name	OJ000210_26.0317.C11.o2.gs	Method	GENSCAN
Start	1757	End	2116

GI	none	Score	.98
Exons	1757..1939, 2072..2116		

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92646	Strand	-
Start	1	End	1485
Name	OJ000210_26.0317.C11.o1.np	Method	AAT/NAP
Start	1	End	1421
GI	2062172	Score	291
Exons	1..50, 120..231, 874..1421		
GI Descrip.	(AC001645) unknown protein [Arabidopsis thaliana]		

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92646	Strand	-
Start	1	End	1485
Name	OJ000210_26.0317.C11.o1.gs	Method	GENSCAN
Start	120	End	1415
GI	none	Score	.99
Exons	120..231, 874..1415		

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92646	Strand	-
Start	1	End	1485
Name	OJ000210_26.0317.C11.o2.tm	Method	TBLASTX:Maize
Start	120	End	981
GI	none	Score	105
Exons	120..179, 120..182, 121..189, 871..981	180..221, 181..228, 870..980,	

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92646	Strand	-
Start	1	End	1485
Name	OJ000210_26.0317.C11.o1.gp	Method	AAT/GAP
Start	980	End	1485
GI	none	Score	1004
Exons	980..1485		

Seq. No.	44061	Seq. ID	OJ000210_26.0317.C11
Gene No.	92647	Strand	
Start	1807	End	2115
Name	OJ000210_26.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	1807	End	2115
GI	none	Score	182
Exons	1807..1923, 1811..1924, 2053..2115		

Seq. No.	44062	Seq. ID	OJ000210_26.0317.C13
Gene No.	92648	Strand	+
Start	398	End	1901
Name	OJ000210_26.0317.C13.o1.gp	Method	AAT/GAP
Start	398	End	1901
GI	none	Score	794
Exons	398..478, 1460..1517, 1602..1901		

Seq. No.	44062	Seq. ID	OJ000210_26.0317.C13
Gene No.	92649	Strand	-
Start	1323	End	2045
Name	OJ000210_26.0317.C13.o1.gs	Method	GENSCAN

Start	1323	End	2045
GI	none	Score	.77
Exons	1323..1352, 1857..2045		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92650	Strand	+
Start	3070	End	8656
Name	OJ000210_26.0317.C14.o1.np	Method	AAT/NAP
Start	3070	End	7775
GI	4220462	Score	2313
Exons	3070..3418, 3472..3608, 3677..3767, 3848..3943, 4054..4167, 4243..4326, 4451..4606, 4685..4759, 4833..4939, 5039..5225, 5317..5502, 5602..5679, 5779..5913, 6010..6371, 6527..6638, 7040..7189, 7629..7775		
GI Descrip.	(AC006216) Strong similarity to gb|Z50851 HD-zip (athb-8) gene from Arabidopsis thaliana containing Homeobox PF|00046 and bZIP PF|00170 domains		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92650	Strand	+
Start	3070	End	8656
Name	OJ000210_26.0317.C14.o1.gs	Method	GENSCAN
Start	3085	End	8656
GI	none	Score	.84
Exons	3085..3608, 3646..3790, 3848..3943, 4054..4326, 4451..4606, 4685..4759, 4818..4939, 5039..5225, 5317..5502, 5602..5679, 5779..5913, 6010..6371, 6527..6638, 7040..7189, 8427..8481, 8517..8656		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92650	Strand	+
Start	3070	End	8656
Name	OJ000210_26.0317.C14.o1.gp	Method	AAT/GAP
Start	3866	End	4742
GI	uC-osroM202005g04b1	Score	889
Exons	3866..3943, 4054..4167, 4243..4326, 4451..4606, 4685..4742		
GI Descrip.	'1149569/emb|CAA90703| 6.0e-18 (Z50851) HD-zip [Arabidopsis thaliana]'		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92650	Strand	+
Start	3070	End	8656
Name	OJ000210_26.0317.C14.o2.gp	Method	AAT/GAP
Start	5303	End	5520
GI	428556	Score	343
Exons	5303..5520		
GI Descrip.	1149569/emb|CAA90703| 6.0e-18 (Z50851) HD-zip [Arabidopsis thaliana]		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o2.tw	Method	TBLASTX:Wheat
Start	3105	End	4898
GI	none	Score	451
Exons	3105..3410, 3106..3411, 4839..4898		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o2.tc	Method	TBLASTX:Cress
Start	3106	End	3767
GI	none	Score	470
Exons	3106..3411, 3139..3267, 3195..3410, 3511..3543, 3516..3542, 3577..3618, 3677..3766, 3678..3767		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o2.ts	Method	TBLASTX:Soybean
Start	3106	End	3618
GI	none	Score	487
Exons	3106..3414, 3160..3267, 3195..3413, 3511..3543, 3516..3542, 3577..3618, 3582..3608		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o1.tm	Method	TBLASTX:Maize
Start	3234	End	7778
GI	none	Score	258
Exons	3234..3413, 3247..3414, 3508..3609, 3516..3542, 3678..3767, 3686..3766, 3693..3767, 3840..3872, 3842..3958, 3847..3945, 4051..4167, 4066..4176, 4237..4329, 4245..4325, 4435..4614, 4451..4618, 4687..4758, 4688..4759, 4809..4940, 4823..4939, 5019..5135, 5036..5134, 5112..5225, 5136..5225, 5295..5459, 5317..5472, 5446..5502, 5601..5654, 5623..5688, 5775..5903, 5776..5907, 6010..6066, 6145..6279, 6150..6275, 6295..6372, 6318..6392, 6395..6418, 6579..6644, 7015..7200, 7018..7194, 7040..7201, 7616..7711, 7626..7724, 7722..7778		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o1.ts	Method	TBLASTX:Soybean
Start	3692	End	5135
GI	none	Score	121
Exons	3692..3766, 3693..3767, 3708..3767, 3840..3869, 3842..3958, 3847..3882, 4007..4111, 4051..4167, 4054..4167, 4237..4329, 4248..4328, 4435..4605, 4451..4606, 4682..4759, 4684..4758, 4809..4940, 4823..4939, 5031..5135, 5036..5134		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o1.tc	Method	TBLASTX:Cress
Start	3848	End	5132
GI	none	Score	136
Exons	3848..3958, 4051..4167, 4051..4176, 4237..4329, 4248..4328, 4441..4614, 4451..4618, 4682..4759, 4687..4749, 4815..4940, 4832..4939, 5019..5132, 5036..5131		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-

Start	9920	End	10802
Name	OJ000210_26.0317.C14.o1.tw	Method	TBLASTX:Wheat
Start	3884	End	4750
GI	none	Score	90
Exons	3884..3958, 4051..4167, 4051..4176, 4237..4329, 4245..4325, 4435..4614, 4451..4618, 4687..4749, 4688..4750		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o4.ts	Method	TBLASTX:Soybean
Start	5136	End	5502
GI	none	Score	97
Exons	5136..5225, 5141..5224, 5317..5502, 5319..5501		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o3.ts	Method	TBLASTX:Soybean
Start	5608	End	7673
GI	none	Score	38
Exons	5608..5652, 5775..5906, 5776..5907, 6010..6066, 6145..6276, 6150..6278, 6304..6372, 6318..6419, 6576..6638, 7036..7188, 7040..7189, 7626..7673		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o3.tc	Method	TBLASTX:Cress
Start	6600	End	7866
GI	none	Score	65
Exons	6600..6638, 7018..7188, 7034..7189, 7616..7723, 7626..7718, 7712..7771, 7734..7778, 7807..7866		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o2.gs	Method	GENSCAN
Start	9920	End	10802
GI	none	Score	1
Exons	9920..10480, 10800..10802		

Seq. No.	44063	Seq. ID	OJ000210_26.0317.C14
Gene No.	92651	Strand	-
Start	9920	End	10802
Name	OJ000210_26.0317.C14.o2.np	Method	AAT/NAP
Start	9977	End	10462
GI	3643605	Score	251
Exons	9977..10054, 10082..10462		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44064	Seq. ID	OJ000210_26.0317.C15
Gene No.	92652	Strand	+
Start	1086	End	2156
Name	OJ000210_26.0317.C15.o1.gs	Method	GENSCAN
Start	1086	End	2156
GI	none	Score	.46

Exons	1086..1232, 1915..2156		
Seq. No.	44064	Seq. ID	OJ000210_26.0317.C15
Gene No.	92653	Strand	-
Start	277	End	551
Name	OJ000210_26.0317.C15.o1.gp	Method	AAT/GAP
Start	277	End	551
GI	LIB3432-009-P1-K1-A5	Score	439
Exons	277..551		
GI Descrip.	'3914493/sp|O58058|PUR6_PYRHO 3.0e-20 PHOSPHORIBOSYLAMINOIMIDAZOLE CARBOXYLASE CATALYTIC SUBUNIT (AIR CARBOXYLASE) (AIRC) >gi_3256711_dbj_BAA29394_ (AP000002) 177aa long hypothetical phosphoribosylaminoimidazole carboxylase catalytic subunit [Pyrococcus horikoshii]'		
Seq. No.	44064	Seq. ID	OJ000210_26.0317.C15
Gene No.	92654	Strand	-
Start	458	End	2323
Name	OJ000210_26.0317.C15.o1.np	Method	AAT/NAP
Start	458	End	2323
GI	3914493	Score	108
Exons	458..548, 1115..1224, 2311..2323		
GI Descrip.	PHOSPHORIBOSYLAMINOIMIDAZOLE CARBOXYLASE CATALYTIC SUBUNIT (AIR CARBOXYLASE) (AIRC) gi|7436513|pir||E71138 probable phosphoribosylaminoimidazole carboxylase catalytic subunit - Pyrococcus horikoshii gi|3256711|dbj|BAA29394.1| (AP000002) 177aa long hypothetical phosphoribosylaminoimidazole carboxylase catalytic subunit [Pyrococcus horikoshii]		
Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92655	Strand	+
Start	580	End	1793
Name	OJ000210_26.0317.C16.o1.gs	Method	GENSCAN
Start	580	End	1604
GI	none	Score	.6
Exons	580..739, 1178..1445, 1534..1604		
Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92655	Strand	+
Start	580	End	1793
Name	OJ000210_26.0317.C16.o2.np	Method	AAT/NAP
Start	1282	End	1793
GI	7293868	Score	125
Exons	1282..1445, 1534..1604, 1731..1793		
GI Descrip.	(AE003519) CG6877 gene product [Drosophila melanogaster]		
Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92656	Strand	-
Start	1	End	1793
Name	OJ000210_26.0317.C16.o1.gp	Method	AAT/GAP
Start	1	End	415
GI	29299_1.R1084	Score	182
Exons	1..71, 330..415		
GI Descrip.	'480450/pir||S36884 2.0e-42 ketol-acid reductoisomerase (EC 1.1.1.86) - Arabidopsis thaliana >gi_402552_emb_CAA49506_ (X69880) ketol-acid reductoisomerase [Arabidopsis thaliana]'		

Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92656	Strand	-
Start	1	End	1793
Name	OJ000210_26.0317.C16.o1.np	Method	AAT/NAP
Start	1	End	1793
GI	6225542	Score	165
Exons	1..88, 346..415, 510..665, 1724..1793		
GI Descrip.	KETOL-ACID REDUCTOISOMERASE PRECURSOR (ACETOHYDROXY-ACID REDUCTOISOMERASE) (ALPHA-KETO-BETA-HYDROXYLACIL REDUCTOISOMERASE) gi|7431346|pir||T06825 ketol-acid reductoisomerase (EC 1.1.1.86) - garden pea gi|3452497|emb|CAA76854.1| (Y17796) ketol-acid reductoisomerase [Pisum sativum]		

Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92656	Strand	-
Start	1	End	1793
Name	OJ000210_26.0317.C16.o1.tc	Method	TBLASTX:Cress
Start	1282	End	1603
GI	none	Score	234
Exons	1282..1446, 1284..1445, 1333..1446, 1534..1602, 1535..1603		

Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92656	Strand	-
Start	1	End	1793
Name	OJ000210_26.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	1284	End	1603
GI	none	Score	103
Exons	1284..1352, 1284..1460, 1285..1476, 1527..1571, 1534..1596, 1535..1603		

Seq. No.	44065	Seq. ID	OJ000210_26.0317.C16
Gene No.	92656	Strand	-
Start	1	End	1793
Name	OJ000210_26.0317.C16.o1.ts	Method	TBLASTX:Soybean
Start	1285	End	1603
GI	none	Score	226
Exons	1285..1476, 1299..1460, 1534..1602, 1535..1603		

Seq. No.	44066	Seq. ID	OJ000210_26.0317.C17
Gene No.	92657	Strand	+
Start	114	End	1121
Name	OJ000210_26.0317.C17.o1.gs	Method	GENSCAN
Start	114	End	894
GI	none	Score	.69
Exons	114..199, 658..709, 790..894		

Seq. No.	44066	Seq. ID	OJ000210_26.0317.C17
Gene No.	92657	Strand	+
Start	114	End	1121
Name	OJ000210_26.0317.C17.o1.np	Method	AAT/NAP
Start	147	End	1121
GI	7293868	Score	86
Exons	147..199, 658..709, 790..855, 1082..1121		
GI Descrip.	(AE003519) CG6877 gene product [Drosophila melanogaster]		

Seq. No.	44067	Seq. ID	OJ000210_26.0317.C21

Gene No.	92658	Strand	+
Start	115	End	417
Name	OJ000210_26.0317.C21.o1.gs	Method	GENSCAN
Start	115	End	417
GI	none	Score	1
Exons	115..417		

Seq. No.	44067	Seq. ID	OJ000210_26.0317.C21
Gene No.	92659	Strand	+
Start	3244	End	3522
Name	OJ000210_26.0317.C21.o2.gs	Method	GENSCAN
Start	3244	End	3522
GI	none	Score	.83
Exons	3244..3522		

Seq. No.	44067	Seq. ID	OJ000210_26.0317.C21
Gene No.	92660	Strand	-
Start	4206	End	4330
Name	OJ000210_26.0317.C21.o1.np	Method	AAT/NAP
Start	4206	End	4330
GI	7106528	Score	103
Exons	4206..4330		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44067	Seq. ID	OJ000210_26.0317.C21
Gene No.	92661	Strand	-
Start	5593	End	6147
Name	OJ000210_26.0317.C21.o3.gs	Method	GENSCAN
Start	5593	End	6147
GI	none	Score	.7
Exons	5593..5654, 5697..5848, 6086..6147		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o1.gs	Method	GENSCAN
Start	705	End	2819
GI	none	Score	.65
Exons	705..893, 1407..1663, 1972..2415, 2708..2819		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o1.gp	Method	AAT/GAP
Start	924	End	1428
GI	2317356	Score	941
Exons	924..1428		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o2.tm	Method	TBLASTX:Maize
Start	1386	End	2009
GI	none	Score	118
Exons	1386..1496, 1393..1497, 1397..1534, 1401..1496, 1498..1605, 1511..1606, 1517..1603, 1596..1667, 1601..1687, 1602..1667,		

1604..1687, 1932..2009

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o1.np	Method	AAT/NAP
Start	1460	End	2888
GI	7239515	Score	98
Exons	1460..1663, 2847..2888		
GI Descrip.	(AC012654) Strong similarity to the putative protein kinase F26A9.10 gi|6682614 from A. thaliana on BAC gb|AC016163 ; It contains an eukaryotic protein kinase domain PF|00069. This gene is cut off. [Arabidopsis thaliana]		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o1.tc	Method	TBLASTX:Cress
Start	1517	End	1664
GI	none	Score	67
Exons	1517..1663, 1532..1660, 1605..1664		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	2023	End	2812
GI	none	Score	100
Exons	2023..2184, 2024..2161, 2065..2172, 2170..2265, 2176..2274, 2177..2275, 2275..2421, 2275..2418, 2277..2447, 2708..2812, 2709..2810		

Seq. No.	44068	Seq. ID	OJ000210_26.0317.C24
Gene No.	92662	Strand	-
Start	705	End	2888
Name	OJ000210_26.0317.C24.o2.gp	Method	AAT/GAP
Start	2266	End	2826
GI	uC-osflcyp068e01b1	Score	479
Exons	2266..2415, 2708..2826		
GI Descrip.	'4539004/emb|CAB39625.1| 2.0e-42 (AL049481) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o2.tm	Method	TBLASTX:Maize
Start	478	End	877
GI	none	Score	224
Exons	478..537, 643..870, 650..877		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.np	Method	AAT/NAP
Start	603	End	3231
GI	3776559	Score	1186
Exons	603..876, 1338..1655, 1828..2112, 3031..3231		

GI Descrip. (AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o2.tw	Method	TBLASTX:Wheat
Start	640	End	1403
GI	none	Score	232
Exons	640..870, 641..877, 733..879, 738..878, 1335..1403, 1336..1401		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.ts	Method	TBLASTX:Soybean
Start	643	End	1659
GI	none	Score	243
Exons	643..681, 650..877, 736..870, 746..877, 1331..1471, 1335..1658, 1335..1658, 1336..1659		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.gp	Method	AAT/GAP
Start	649	End	818
GI	uC-osf1cyp068e01b1	Score	316
Exons	649..818		
GI Descrip.	'4539004/emb|CAB39625.1| 2.0e-42 (AL049481) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.gs	Method	GENSCAN
Start	654	End	3189
GI	none	Score	.72
Exons	654..876, 1338..1655, 1828..2112, 3169..3189		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o2.tc	Method	TBLASTX:Cress
Start	742	End	877
GI	none	Score	133
Exons	742..870, 743..877, 743..877		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.tm	Method	TBLASTX:Maize
Start	1335	End	2043
GI	none	Score	468
Exons	1335..1658, 1336..1656, 1336..1662, 1337..1663, 1517..1678, 1816..2043, 1823..2041, 1876..2043		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.tc	Method	TBLASTX:Cress
Start	1362	End	2068
GI	none	Score	126
Exons	1362..1571, 1365..1658, 1366..1659, 1816..2055, 1835..2068		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o1.tw	Method	TBLASTX:Wheat
Start	1404	End	1981
GI	none	Score	85
Exons	1404..1658, 1405..1488, 1510..1656, 1816..1980, 1826..1981		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o2.ts	Method	TBLASTX:Soybean
Start	1816	End	3153
GI	none	Score	335
Exons	1816..2115, 1823..2113, 3023..3145, 3028..3153		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o2.gp	Method	AAT/GAP
Start	1842	End	3209
GI	2317355	Score	809
Exons	1842..2112, 3031..3209		
GI Descrip.	4539004/emb|CAB39625.1| 2.0e-42 (AL049481) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44069	Seq. ID	OJ000210_26.0317.C25
Gene No.	92663	Strand	-
Start	603	End	3231
Name	OJ000210_26.0317.C25.o3.tm	Method	TBLASTX:Maize
Start	2044	End	3156
GI	none	Score	85
Exons	2044..2115, 2045..2113, 3023..3145, 3028..3156		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92664	Strand	+
Start	12379	End	15390
Name	OJ000210_26.0317.C26.o2.np	Method	AAT/NAP
Start	11973	End	15390
GI	7340884	Score	145
Exons	11973..12153, 15364..15390		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92664	Strand	+
Start	12379	End	15390
Name	OJ000210_26.0317.C26.o3.np	Method	AAT/NAP
Start	12376	End	13350

GI	7228441	Score	82
Exons	12376..12545, 13281..13350		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92664	Strand	+
Start	12379	End	15390
Name	OJ000210_26.0317.C26.o2.gs	Method	GENSCAN
Start	12379	End	12588
GI	none	Score	.8
Exons	12379..12588		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92665	Strand	-
Start	6965	End	8047
Name	OJ000210_26.0317.C26.o1.np	Method	AAT/NAP
Start	6965	End	8047
GI	6815053	Score	664
Exons	6965..7402, 7902..8047		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92666	Strand	-
Start	14062	End	14940
Name	OJ000210_26.0317.C26.o3.gs	Method	GENSCAN
Start	14062	End	14890
GI	none	Score	.95
Exons	14062..14152, 14654..14701, 14841..14890		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92666	Strand	-
Start	14062	End	14940
Name	OJ000210_26.0317.C26.o4.np	Method	AAT/NAP
Start	14065	End	14890
GI	7489497	Score	294
Exons	14065..14152, 14654..14701, 14841..14890		
GI Descrip.	metallothionein-like protein - rice gi|2072555|gb|AAB53811.1| (AF001396) metallothionein-like protein [Oryza sativa] gi|6103441|gb|AAF03603.1| (AF147786) metallothionein-like protein [Oryza sativa]		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92666	Strand	-
Start	14062	End	14940
Name	OJ000210_26.0317.C26.o1.gp	Method	AAT/GAP
Start	14654	End	14940
GI	943_1.R1084	Score	512
Exons	14654..14940		
GI Descrip.	'6006848/gb|AAF00624.1|AC009540_1 3.0e-50 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	44070	Seq. ID	OJ000210_26.0317.C26
Gene No.	92667	Strand	-
Start	16849	End	17175
Name	OJ000210_26.0317.C26.o4.gs	Method	GENSCAN
Start	16849	End	17175
GI	none	Score	.9

Exons	16849..16965, 17101..17175		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92668	Strand	+
Start	6780	End	7224
Name	OJ000210_26.0317.C27.o2.gp	Method	AAT/GAP
Start	6780	End	7224
GI	LIB3431-028-P1-N1-A10	Score	778
Exons	6780..6850, 6878..7224		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92669	Strand	-
Start	583	End	5437
Name	OJ000210_26.0317.C27.o1.gp	Method	AAT/GAP
Start	160	End	358
GI	LIB3477-003-P1-K1-E9	Score	120
Exons	160..197, 290..358		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92669	Strand	-
Start	583	End	5437
Name	OJ000210_26.0317.C27.o1.np	Method	AAT/NAP
Start	472	End	4181
GI	4680204	Score	998
Exons	472..609, 959..1178, 1273..1446, 1554..2650, 2746..4181		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92669	Strand	-
Start	583	End	5437
Name	OJ000210_26.0317.C27.o1.gs	Method	GENSCAN
Start	583	End	5437
GI	none	Score	.55
Exons	583..639, 718..816, 911..983, 1068..1178, 1285..1446, 1554..2239, 2241..2383, 2509..2650, 2746..3491, 3506..4166, 5336..5437		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o5.tw	Method	TBLASTX:Wheat
Start	1109	End	1627
GI	none	Score	60
Exons	1109..1180, 1278..1460, 1285..1410, 1547..1627		
Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o3.tw	Method	TBLASTX:Wheat
Start	3094	End	3433
GI	none	Score	36
Exons	3094..3126, 3100..3120, 3130..3267, 3131..3211, 3271..3432,		

3284..3433

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o2.gs	Method	GENSCAN
Start	6843	End	8756
GI	none	Score	.71
Exons	6843..8304, 8410..8756		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o1.tw	Method	TBLASTX:Wheat
Start	6918	End	8235
GI	none	Score	136
Exons	6918..7010, 6999..7079, 7092..7232, 7093..7233, 7180..7293, 7212..7271, 7278..7322, 7279..7323, 7283..7324, 7317..8234, 7332..7649, 7333..8235		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o3.np	Method	AAT/NAP
Start	7402	End	9009
GI	6742729	Score	2522
Exons	7402..9009		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o1.tc	Method	TBLASTX:Cress
Start	7500	End	7951
GI	none	Score	89
Exons	7500..7649, 7500..7943, 7504..7947, 7510..7947, 7769..7951		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o1.tm	Method	TBLASTX:Maize
Start	7878	End	8192
GI	none	Score	65
Exons	7878..8192, 7899..8108, 7906..8181		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o2.tw	Method	TBLASTX:Wheat
Start	8236	End	8646
GI	none	Score	81
Exons	8236..8322, 8238..8327, 8238..8321, 8355..8597, 8395..8577, 8583..8645, 8596..8646		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009

Name	OJ000210_26.0317.C27.o1.ts	Method	TBLASTX:Soybean
Start	8679	End	8921
GI	none	Score	208
Exons	8679..8921		

Seq. No.	44071	Seq. ID	OJ000210_26.0317.C27
Gene No.	92670	Strand	-
Start	6843	End	9009
Name	OJ000210_26.0317.C27.o4.tw	Method	TBLASTX:Wheat
Start	8785	End	8993
GI	none	Score	151
Exons	8785..8991, 8790..8993		

Seq. No.	44072	Seq. ID	OJ000210_26.0317.C28
Gene No.	92671	Strand	+
Start	471	End	743
Name	OJ000210_26.0317.C28.o1.np	Method	AAT/NAP
Start	471	End	743
GI	3914493	Score	138
Exons	471..590, 692..743		
GI Descrip.	PHOSPHORIBOSYLAMINOIMIDAZOLE CARBOXYLASE CATALYTIC SUBUNIT (AIR CARBOXYLASE) (AIRC) gi|7436513|pir||E71138 probable phosphoribosylaminoimidazole carboxylase catalytic subunit - Pyrococcus horikoshii gi|3256711|dbj|BAA29394.1| (AP000002) 177aa long hypothetical phosphoribosylaminoimidazole carboxylase catalytic subunit [Pyrococcus horikoshii]		

Seq. No.	44072	Seq. ID	OJ000210_26.0317.C28
Gene No.	92672	Strand	-
Start	156	End	373
Name	OJ000210_26.0317.C28.o1.gs	Method	GENSCAN
Start	156	End	373
GI	none	Score	.52
Exons	156..179, 353..373		

Seq. No.	44073	Seq. ID	OJ000350_29.0314.C5
Gene No.	92673	Strand	-
Start	213	End	2545
Name	OJ000350_29.0314.C5.o1.gp	Method	AAT/GAP
Start	213	End	2545
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	213..258, 2480..2545		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92674	Strand	+
Start	1362	End	2866
Name	OJ000350_29.0314.C6.o1.gs	Method	GENSCAN
Start	1362	End	2866
GI	none	Score	.57
Exons	1362..1775, 2577..2866		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92675	Strand	+
Start	3802	End	12785

Name	OJ000350_29.0314.C6.o2.gs	Method	GENSCAN
Start	3802	End	9927
GI	none	Score	.99
Exons	3802..6787, 9914..9927		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92675	Strand	+
Start	3802	End	12785
Name	OJ000350_29.0314.C6.o1.np	Method	AAT/NAP
Start	3864	End	8209
GI	7434424	Score	1576
Exons	3864..4339, 4700..6787, 8068..8209		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) A1, receptor type - long-staminate rice gi|2586083|gb|AAB82755.1| (U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92675	Strand	+
Start	3802	End	12785
Name	OJ000350_29.0314.C6.o3.np	Method	AAT/NAP
Start	8980	End	11800
GI	6983859	Score	585
Exons	8980..9022, 11172..11800		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92675	Strand	+
Start	3802	End	12785
Name	OJ000350_29.0314.C6.o3.gs	Method	GENSCAN
Start	10805	End	12785
GI	none	Score	.86
Exons	10805..10871, 12610..12785		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92676	Strand	-
Start	8241	End	8677
Name	OJ000350_29.0314.C6.o2.np	Method	AAT/NAP
Start	8241	End	8677
GI	6539553	Score	301
Exons	8241..8677		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o1.tc	Method	TBLASTX:Cress
Start	3991	End	6708
GI	none	Score	52
Exons	3991..4065, 4078..4290, 4087..4218, 4096..4221, 4096..4419, 4096..4221, 4096..4293, 4096..4206, 4099..4218, 4119..4217, 4264..4398, 4276..4491, 4276..4419, 4288..4710, 4294..4920, 4300..4416, 4300..4491, 4309..4503, 4369..4938, 4377..4637, 4465..4935, 4468..4923, 4597..4923, 4660..4797, 4669..4935,		

4942..5073, 4942..5070, 5071..5181, 5155..5250, 5155..5241,
5156..5215, 5170..5232, 5224..5613, 5233..5610, 5233..5514,
5242..5592, 5248..5616, 5254..5595, 5257..5457, 5257..5616,
5257..5610, 5263..5580, 5272..5610, 5317..5610, 5461..5601,
5515..5586, 5605..5874, 5620..5874, 5620..5871, 5620..5676,
5620..5871, 5620..5874, 5680..5874, 5692..5874, 5715..5873,
5749..5874, 5856..5948, 6319..6417, 6529..6708, 6543..6701

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o1.ts	Method	TBLASTX:Soybean
Start	4075	End	5874
GI	none	Score	91

Exons 4075..4221, 4087..4218, 4093..4287, 4276..4848, 4279..4710,
4294..4911, 4377..4778, 4468..4935, 4468..4935, 4470..4724,
4585..4923, 4689..4778, 4942..5181, 4999..5073, 5146..5226,
5149..5238, 5233..5514, 5233..5610, 5236..5616, 5257..5616,
5257..5610, 5272..5610, 5283..5438, 5502..5582, 5614..5874,
5619..5873, 5620..5727, 5620..5874, 5620..5874, 5665..5736,
5700..5873

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o3.tm	Method	TBLASTX:Maize
Start	4084	End	5936
GI	none	Score	90

Exons 4084..4287, 4093..4218, 4096..4221, 4096..4215, 4276..4503,
4294..4491, 4295..4357, 4300..4500, 4300..4506, 4386..4718,
4395..4499, 4465..4779, 4465..4716, 4548..4640, 4558..4797,
4558..4923, 4591..4935, 4660..4932, 4669..4923, 4689..4928,
4813..4935, 4951..5070, 4954..5076, 5248..5601, 5248..5457,
5248..5583, 5271..5333, 5329..5592, 5392..5610, 5398..5592,
5620..5874, 5620..5874, 5620..5874, 5620..5874, 5751..5936

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o2.tw	Method	TBLASTX:Wheat
Start	4558	End	5874
GI	none	Score	74

Exons 4558..4761, 4726..4935, 4855..5070, 5137..5493, 5145..5438,
5314..5538, 5692..5874

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o2.ts	Method	TBLASTX:Soybean
Start	6208	End	6786
GI	none	Score	89

Exons 6208..6327, 6210..6290, 6315..6515, 6319..6516, 6505..6690,
6537..6704, 6538..6708, 6760..6786

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358

Name	OJ000350_29.0314.C6.o2.tm	Method	TBLASTX:Maize
Start	6351	End	6780
GI	none	Score	181
Exons	6351..6512, 6352..6519, 6526..6780, 6537..6773		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o3.tw	Method	TBLASTX:Wheat
Start	8373	End	8678
GI	none	Score	110
Exons	8373..8558, 8406..8540, 8509..8586, 8524..8583, 8529..8585, 8595..8678, 8600..8677, 8601..8678		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	11168	End	11611
GI	none	Score	426
Exons	11168..11611, 11176..11463, 11485..11598		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	11369	End	11770
GI	none	Score	366
Exons	11369..11770, 11384..11566, 11440..11769		

Seq. No.	44074	Seq. ID	OJ000350_29.0314.C6
Gene No.	92677	Strand	-
Start	14230	End	14358
Name	OJ000350_29.0314.C6.o4.gs	Method	GENSCAN
Start	14230	End	14358
GI	none	Score	.87
Exons	14230..14358		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92678	Strand	+
Start	1	End	2587
Name	OJ000350_29.0314.C7.o1.np	Method	AAT/NAP
Start	1	End	2490
GI	4680179	Score	1235
Exons	1..21, 1222..2490		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92678	Strand	+
Start	1	End	2587
Name	OJ000350_29.0314.C7.o1.gs	Method	GENSCAN
Start	133	End	251
GI	none	Score	.99
Exons	133..251		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92678	Strand	+

Start	1	End	2587
Name	OJ000350_29.0314.C7.o2.gs	Method	GENSCAN
Start	1799	End	2587
GI	none	Score	.53
Exons	1799..2021, 2234..2433, 2465..2587		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92679	Strand	+
Start	16687	End	17392
Name	OJ000350_29.0314.C7.o3.np	Method	AAT/NAP
Start	16687	End	17392
GI	7228450	Score	151
Exons	16687..16805, 16848..16933, 17061..17134, 17206..17392		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92680	Strand	-
Start	3408	End	12474
Name	OJ000350_29.0314.C7.o2.np	Method	AAT/NAP
Start	3408	End	12474
GI	6979320	Score	1115
Exons	3408..3854, 3952..4362, 4495..4689, 5252..5988, 10986..11303, 11371..11595, 12367..12474		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o1.tw	Method	TBLASTX:Wheat
Start	1358	End	1809
GI	none	Score	548
Exons	1358..1765, 1375..1809		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o2.ts	Method	TBLASTX:Soybean
Start	1364	End	1594
GI	none	Score	196
Exons	1364..1594		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o1.tm	Method	TBLASTX:Maize
Start	1409	End	1766
GI	none	Score	497
Exons	1409..1765, 1410..1607, 1417..1680, 1463..1762, 1647..1766		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o2.tw	Method	TBLASTX:Wheat
Start	1886	End	33699
GI	none	Score	125
Exons	1886..2086, 2088..2339, 2089..2343, 33637..33699		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o1.ts	Method	TBLASTX:Soybean
Start	2131	End	2385
GI	none	Score	269
Exons	2131..2385, 2142..2378		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o2.tm	Method	TBLASTX:Maize
Start	2134	End	2376
GI	none	Score	310
Exons	2134..2376, 2140..2349, 2142..2375		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o4.np	Method	AAT/NAP
Start	30724	End	32892
GI	7489509	Score	623
Exons	30724..30771, 31523..32892		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	44075	Seq. ID	OJ000350_29.0314.C7
Gene No.	92681	Strand	-
Start	30724	End	33699
Name	OJ000350_29.0314.C7.o3.tm	Method	TBLASTX:Maize
Start	32064	End	32478
GI	none	Score	72
Exons	32064..32180, 32196..32324, 32352..32465, 32374..32478		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92682	Strand	+
Start	525	End	1501
Name	OJ000350_29.0314.C8.o1.gs	Method	GENSCAN
Start	525	End	1501
GI	none	Score	.45
Exons	525..583, 1405..1501		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o2.gs	Method	GENSCAN
Start	3899	End	10607
GI	none	Score	.74
Exons	3899..3961, 4923..5024, 5107..5178, 5238..5399, 5670..5777, 6528..6947, 7946..8030, 8937..9016, 9205..9282, 9943..10082, 10193..10607		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o1.tc	Method	TBLASTX:Cress

Start	4834	End	5780
GI	none	Score	67
Exons	4834..4884, 5247..5345, 5508..5579, 5518..5577, 5528..5581, 5667..5765, 5667..5780		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o1.ts	Method	TBLASTX:Soybean
Start	4834	End	5781
GI	none	Score	58
Exons	4834..4884, 4971..5024, 5122..5169, 5143..5202, 5247..5345, 5267..5380, 5508..5579, 5518..5571, 5667..5780, 5667..5780, 5722..5781		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o1.np	Method	AAT/NAP
Start	4968	End	10607
GI	6633808	Score	1041
Exons	4968..5024, 5107..5178, 5262..5349, 5509..5576, 5670..5777, 6561..6975, 8937..9016, 9205..9282, 9943..10080, 10146..10607		
GI Descrip.	(AC009519) F1N19.1 [Arabidopsis thaliana]		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o2.ts	Method	TBLASTX:Soybean
Start	6811	End	8012
GI	none	Score	134
Exons	6811..6942, 6816..6947, 7932..8012		

Seq. No.	44076	Seq. ID	OJ000350_29.0314.C8
Gene No.	92683	Strand	-
Start	3899	End	10607
Name	OJ000350_29.0314.C8.o1.gp	Method	AAT/GAP
Start	7994	End	10082
GI	3106646	Score	619
Exons	7994..8030, 8937..9016, 9205..9282, 9943..10082		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92684	Strand	+
Start	737	End	907
Name	OJ000350_29.0314.C9.o1.gs	Method	GENSCAN
Start	737	End	907
GI	none	Score	.99
Exons	737..907		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92685	Strand	+
Start	6556	End	9699
Name	OJ000350_29.0314.C9.o3.gs	Method	GENSCAN
Start	6556	End	9699
GI	none	Score	.66
Exons	6556..6789, 8608..9699		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92686	Strand	+
Start	10414	End	12672
Name	OJ000350_29.0314.C9.o4.gs	Method	GENSCAN
Start	10414	End	12672
GI	none	Score	.58
Exons	10414..10540, 10566..10687, 12571..12672		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92687	Strand	+
Start	14159	End	14611
Name	OJ000350_29.0314.C9.o1.gp	Method	AAT/GAP
Start	14159	End	14611
GI	36280_1.R1084	Score	806
Exons	14159..14611		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92688	Strand	+
Start	20373	End	25780
Name	OJ000350_29.0314.C9.o6.gs	Method	GENSCAN
Start	20373	End	25780
GI	none	Score	.44
Exons	20373..20958, 21151..22065, 23264..24020, 25521..25722, 25763..25780		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92688	Strand	+
Start	20373	End	25780
Name	OJ000350_29.0314.C9.o2.gp	Method	AAT/GAP
Start	23905	End	25695
GI	2309873	Score	535
Exons	23905..24020, 25521..25695		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92689	Strand	+
Start	25808	End	26159
Name	OJ000350_29.0314.C9.o3.gp	Method	AAT/GAP
Start	25808	End	26159
GI	none	Score	688
Exons	25808..26159		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92690	Strand	+
Start	35555	End	43744
Name	OJ000350_29.0314.C9.o9.gs	Method	GENSCAN
Start	35555	End	43744
GI	none	Score	.53
Exons	35555..35700, 35825..35892, 36622..36691, 36896..38004, 38186..40601, 41310..41460, 41551..41824, 41893..41936, 42344..42462, 42566..42686, 42779..42933, 43020..43248, 43318..43575, 43679..43744		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9

Gene No.	92691	Strand	-
Start	1333	End	4037
Name	OJ000350_29.0314.C9.o2.gs	Method	GENSCAN
Start	1333	End	4037
GI	none	Score	.59
Exons	1333..1613, 3827..4037		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92692	Strand	-
Start	13782	End	18798
Name	OJ000350_29.0314.C9.o5.gs	Method	GENSCAN
Start	13782	End	18798
GI	none	Score	.62
Exons	13782..14537, 14575..15305, 15327..15496, 15510..15676, 15700..17186, 17526..18604, 18767..18798		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92693	Strand	-
Start	26805	End	27257
Name	OJ000350_29.0314.C9.o4.gp	Method	AAT/GAP
Start	26805	End	27257
GI	none	Score	890
Exons	26805..27257		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92694	Strand	-
Start	28033	End	33842
Name	OJ000350_29.0314.C9.o7.gs	Method	GENSCAN
Start	28033	End	33842
GI	none	Score	.77
Exons	28033..28521, 29408..29635, 29934..30220, 32221..32277, 33401..33842		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o2.tc	Method	TBLASTX:Cress
Start	9025	End	9239
GI	none	Score	286
Exons	9025..9237, 9027..9239, 9027..9239		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o4.ts	Method	TBLASTX:Soybean
Start	13809	End	14459
GI	none	Score	51
Exons	13809..14042, 13942..14028, 14097..14285, 14125..14286, 14298..14459		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o1.tc	Method	TBLASTX:Cress
Start	13818	End	14480
GI	none	Score	99
Exons	13818..14036, 13852..14028, 14103..14183, 14107..14184,		

14193..14480, 14289..14471

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o6.tm	Method	TBLASTX:Maize
Start	13819	End	14208
GI	none	Score	345
Exons	13819..14205, 13821..14126, 13821..14207, 13970..14176, 14101..14208		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o6.tw	Method	TBLASTX:Wheat
Start	13848	End	14267
GI	none	Score	80
Exons	13848..14051, 13860..14042, 14097..14267, 14107..14184		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o18.tm	Method	TBLASTX:Maize
Start	14214	End	14397
GI	none	Score	114
Exons	14214..14396, 14215..14397		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o7.tw	Method	TBLASTX:Wheat
Start	14286	End	14480
GI	none	Score	180
Exons	14286..14480		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o7.tm	Method	TBLASTX:Maize
Start	14397	End	14781
GI	none	Score	154
Exons	14397..14516, 14397..14495, 14423..14521, 14501..14716, 14518..14694, 14689..14781, 14692..14781		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o5.tw	Method	TBLASTX:Wheat
Start	14611	End	15157
GI	none	Score	68
Exons	14611..14688, 14722..14832, 14818..14967, 14842..14964, 14960..15004, 14962..15045, 15040..15156, 15047..15157		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o3.ts	Method	TBLASTX:Soybean

Start	14833	End	15324
GI	5509260	Score	100
Exons	14833..14967, 14852..14965, 14941..15045, 15040..15324, 15065..15244		
GI Descrip.	-		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o5.tc	Method	TBLASTX:Cress
Start	14962	End	15204
GI	none	Score	95
Exons	14962..15045, 15040..15204, 15059..15202		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o9.tm	Method	TBLASTX:Maize
Start	14980	End	15273
GI	none	Score	73
Exons	14980..15045, 14980..15045, 15028..15237, 15035..15247, 15040..15273		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o1.ts	Method	TBLASTX:Soybean
Start	15829	End	16245
GI	none	Score	173
Exons	15829..15912, 15934..16245, 15950..16240		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o2.tm	Method	TBLASTX:Maize
Start	15850	End	16276
GI	none	Score	554
Exons	15850..16272, 15851..16276		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o3.tw	Method	TBLASTX:Wheat
Start	15919	End	16479
GI	none	Score	37
Exons	15919..16008, 15950..16012, 16015..16281, 16121..16264, 16339..16479		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o3.tc	Method	TBLASTX:Cress
Start	15937	End	16230
GI	none	Score	63
Exons	15937..16230, 15944..16090, 16148..16180		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9

Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o10.ts	Method	TBLASTX:Soybean
Start	16339	End	16614
GI	none	Score	198
Exons	16339..16614, 16438..16518		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	16552	End	17005
GI	none	Score	40
Exons	16552..16632, 16553..16627, 16612..16872, 16639..17004, 16700..17005		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o10.tm	Method	TBLASTX:Maize
Start	16675	End	16915
GI	none	Score	276
Exons	16675..16914, 16676..16915		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o3.tm	Method	TBLASTX:Maize
Start	16930	End	17628
GI	none	Score	176
Exons	16930..17076, 16937..17080, 16942..17091, 16944..17078, 17077..17187, 17079..17180, 17106..17291, 17113..17265, 17216..17350, 17356..17388, 17358..17387, 17360..17389, 17370..17603, 17371..17607, 17581..17628		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o8.tm	Method	TBLASTX:Maize
Start	17859	End	18100
GI	none	Score	65
Exons	17859..17930, 17860..18093, 17860..18099, 17924..18100		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o12.tm	Method	TBLASTX:Maize
Start	21723	End	22022
GI	none	Score	233
Exons	21723..21950, 21723..21875, 21724..21906, 21725..21949, 21932..22021, 21948..22022		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o6.ts	Method	TBLASTX:Soybean
Start	21938	End	22121

GI	none	Score	251
Exons	21938..22111, 21948..22121		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o2.tw	Method	TBLASTX:Wheat
Start	23233	End	23488
GI	none	Score	372
Exons	23233..23487, 23235..23486, 23297..23488, 23297..23488		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o5.tm	Method	TBLASTX:Maize
Start	23263	End	23759
GI	none	Score	483
Exons	23263..23571, 23265..23570, 23635..23712, 23635..23703, 23640..23711, 23709..23759		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o9.ts	Method	TBLASTX:Soybean
Start	23763	End	23937
GI	none	Score	203
Exons	23763..23804, 23764..23937, 23773..23931, 23838..23936		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o1.tm	Method	TBLASTX:Maize
Start	23764	End	26301
GI	none	Score	352
Exons	23764..24081, 23766..24020, 23870..24070, 25513..25596, 25519..25596, 25526..25612, 25598..25693, 25613..26299, 25624..26301		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o7.ts	Method	TBLASTX:Soybean
Start	23950	End	25731
GI	none	Score	111
Exons	23950..24123, 23952..24020, 25513..25593, 25519..25596, 25526..25621, 25526..25618, 25627..25731, 25638..25730		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o2.ts	Method	TBLASTX:Soybean
Start	25741	End	26157
GI	none	Score	88
Exons	25741..25815, 25822..25965, 25966..26157, 25974..26156		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-

Start	34105	End	34828
Name	OJ000350_29.0314.C9.o5.ts	Method	TBLASTX:Soybean
Start	28384	End	30065
GI	none	Score	209
Exons	28384..28476, 28489..28527, 29406..29564, 29408..29644, 29409..29636, 29931..30065, 29935..30039		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o15.tm	Method	TBLASTX:Maize
Start	29405	End	29648
GI	none	Score	213
Exons	29405..29641, 29406..29636, 29406..29648		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92695	Strand	-
Start	34105	End	34828
Name	OJ000350_29.0314.C9.o8.gs	Method	GENSCAN
Start	34105	End	34828
GI	none	Score	.87
Exons	34105..34666, 34725..34828		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92696	Strand	
Start	36945	End	38160
Name	OJ000350_29.0314.C9.o4.tm	Method	TBLASTX:Maize
Start	36945	End	37748
GI	none	Score	75
Exons	36945..36998, 37013..37345, 37014..37463, 37110..37478, 37467..37748, 37484..37624		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92696	Strand	
Start	36945	End	38160
Name	OJ000350_29.0314.C9.o4.tw	Method	TBLASTX:Wheat
Start	37572	End	38000
GI	none	Score	275
Exons	37572..37868, 37605..37859, 37673..37867, 37892..37987, 37893..38000		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92696	Strand	
Start	36945	End	38160
Name	OJ000350_29.0314.C9.o11.tm	Method	TBLASTX:Maize
Start	37751	End	38160
GI	none	Score	169
Exons	37751..37873, 37755..37880, 37871..38023, 37884..38018, 38080..38160		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92697	Strand	
Start	39214	End	39669
Name	OJ000350_29.0314.C9.o14.tm	Method	TBLASTX:Maize
Start	39214	End	39669
GI	none	Score	81
Exons	39214..39282, 39283..39420, 39454..39669		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92698	Strand	
Start	39813	End	40182
Name	OJ000350_29.0314.C9.o13.tm	Method	TBLASTX:Maize
Start	39813	End	40182
GI	none	Score	317
Exons	39813..40097, 39838..40164, 39841..40182		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92699	Strand	
Start	40486	End	40809
Name	OJ000350_29.0314.C9.o4.tc	Method	TBLASTX:Cress
Start	40486	End	40743
GI	none	Score	198
Exons	40486..40743, 40494..40694		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92699	Strand	
Start	40486	End	40809
Name	OJ000350_29.0314.C9.o17.tm	Method	TBLASTX:Maize
Start	40489	End	40809
GI	none	Score	172
Exons	40489..40716, 40491..40637, 40735..40809		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92700	Strand	
Start	40735	End	40917
Name	OJ000350_29.0314.C9.o8.ts	Method	TBLASTX:Soybean
Start	40735	End	40917
GI	none	Score	205
Exons	40735..40917, 40737..40913		

Seq. No.	44077	Seq. ID	OJ000350_29.0314.C9
Gene No.	92701	Strand	
Start	42223	End	43266
Name	OJ000350_29.0314.C9.o16.tm	Method	TBLASTX:Maize
Start	42223	End	43266
GI	none	Score	76
Exons	42223..42288, 42383..42442, 42799..42897, 42833..42901, 43017..43115, 43018..43137, 43150..43266, 43176..43262		

Seq. No.	44078	Seq. ID	OJ000350_29.0314.C10
Gene No.	92702	Strand	-
Start	392	End	538
Name	OJ000350_29.0314.C10.o1.gs	Method	GENSCAN
Start	392	End	538
GI	none	Score	.46
Exons	392..538		

Seq. No.	44079	Seq. ID	OJ000350_28.0314.C8
Gene No.	92703	Strand	+
Start	239	End	1282
Name	OJ000350_28.0314.C8.o1.gs	Method	GENSCAN
Start	239	End	1282
GI	none	Score	.67
Exons	239..325, 1115..1282		

Seq. No.	44079	Seq. ID	OJ000350_28.0314.C8
Gene No.	92704	Strand	-
Start	2361	End	2745
Name	OJ000350_28.0314.C8.o2.gs	Method	GENSCAN
Start	2361	End	2745
GI	none	Score	.85
Exons	2361..2615, 2656..2745		

Seq. No.	44080	Seq. ID	OJ000350_28.0314.C9
Gene No.	92705	Strand	+
Start	778	End	5821
Name	OJ000350_28.0314.C9.o1.gs	Method	GENSCAN
Start	778	End	5821
GI	none	Score	.49
Exons	778..852, 1967..2027, 2074..2193, 3011..3071, 3357..3491, 4365..4512, 5321..5353, 5450..5574, 5686..5821		

Seq. No.	44080	Seq. ID	OJ000350_28.0314.C9
Gene No.	92706	Strand	+
Start	8583	End	10444
Name	OJ000350_28.0314.C9.o2.np	Method	AAT/NAP
Start	8583	End	10444
GI	5852093	Score	56
Exons	8583..8716, 10409..10444		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44080	Seq. ID	OJ000350_28.0314.C9
Gene No.	92707	Strand	+
Start	11636	End	11792
Name	OJ000350_28.0314.C9.o3.np	Method	AAT/NAP
Start	11636	End	11792
GI	6721516	Score	64
Exons	11636..11792		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44080	Seq. ID	OJ000350_28.0314.C9
Gene No.	92708	Strand	-
Start	1	End	12696
Name	OJ000350_28.0314.C9.o1.np	Method	AAT/NAP
Start	1	End	12696
GI	6685708	Score	56
Exons	1..21, 1183..1327, 7383..7474, 12635..12696		
GI Descrip.	85 KD CALCIUM-INDEPENDENT PHOSPHOLIPASE A2 (IPLA2) (CAI-PLA2) gi|1743846|gb|AAC53136.1| (U51898) Ca2+-independent phospholipase A2 [Rattus norvegicus]		

Seq. No.	44080	Seq. ID	OJ000350_28.0314.C9
Gene No.	92708	Strand	-
Start	1	End	12696
Name	OJ000350_28.0314.C9.o1.tw	Method	TBLASTX:Wheat
Start	971	End	1453
GI	none	Score	118
Exons	971..1045, 1153..1428, 1163..1453		

Seq. No.	44081	Seq. ID	OJ000350_28.0314.C10
Gene No.	92709	Strand	+

Start	877	End	2858
Name	OJ000350_28.0314.C10.o1.gs	Method	GENSCAN
Start	877	End	2858
GI	none	Score	.46
Exons	877..954, 2752..2858		

Seq. No.	44081	Seq. ID	OJ000350_28.0314.C10
Gene No.	92710	Strand	-
Start	1916	End	2288
Name	OJ000350_28.0314.C10.o1.gp	Method	AAT/GAP
Start	1916	End	2288
GI	uC-osflcyp033a04b1	Score	516
Exons	1916..2288		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44081	Seq. ID	OJ000350_28.0314.C10
Gene No.	92711	Strand	-
Start	2751	End	6981
Name	OJ000350_28.0314.C10.o1.np	Method	AAT/NAP
Start	2751	End	4666
GI	6907087	Score	1035
Exons	2751..2852, 3404..3964, 4141..4666		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44081	Seq. ID	OJ000350_28.0314.C10
Gene No.	92711	Strand	-
Start	2751	End	6981
Name	OJ000350_28.0314.C10.o2.gs	Method	GENSCAN
Start	3279	End	6981
GI	none	Score	.45
Exons	3279..4104, 4135..4481, 5962..6035, 6516..6981		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92712	Strand	+
Start	1	End	4913
Name	OJ000350_28.0314.C11.o1.np	Method	AAT/NAP
Start	1	End	1697
GI	6721516	Score	132
Exons	1..20, 874..978, 1397..1697		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92712	Strand	+
Start	1	End	4913
Name	OJ000350_28.0314.C11.o2.np	Method	AAT/NAP
Start	1	End	4913
GI	6069646	Score	311
Exons	1..37, 2653..2954, 3552..3677, 3959..4913		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92712	Strand	+
Start	1	End	4913
Name	OJ000350_28.0314.C11.o1.gp	Method	AAT/GAP
Start	2098	End	2164
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	2098..2164		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92713	Strand	+
Start	14580	End	16268
Name	OJ000350_28.0314.C11.o3.np	Method	AAT/NAP
Start	14580	End	16268
GI	7340869	Score	157
Exons	14580..14783, 16211..16268		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92714	Strand	+
Start	22780	End	22870
Name	OJ000350_28.0314.C11.o6.np	Method	AAT/NAP
Start	22780	End	22870
GI	6721561	Score	119
Exons	22780..22870		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92715	Strand	-
Start	7177	End	11501
Name	OJ000350_28.0314.C11.o2.gs	Method	GENSCAN
Start	7177	End	11467
GI	none	Score	.89
Exons	7177..8645, 9433..9627, 9636..9662, 10144..11467		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92715	Strand	-
Start	7177	End	11501
Name	OJ000350_28.0314.C11.o2.gp	Method	AAT/GAP
Start	11078	End	11501
GI	none	Score	803
Exons	11078..11501		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o2.tm	Method	TBLASTX:Maize
Start	2783	End	3897
GI	none	Score	68
Exons	2783..2911, 3555..3779, 3784..3897		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o1.tm	Method	TBLASTX:Maize
Start	4474	End	4686
GI	none	Score	221
Exons	4474..4686, 4494..4682		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o4.np	Method	AAT/NAP
Start	15780	End	22571
GI	7248392	Score	156
Exons	15780..16139, 21546..21742, 22476..22571		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o3.gp	Method	AAT/GAP
Start	16687	End	17211
GI	LIB3434-038-P1-K1-F1	Score	759
Exons	16687..17211		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o5.gs	Method	GENSCAN
Start	21498	End	22760
GI	none	Score	.55
Exons	21498..21963, 22703..22760		

Seq. No.	44082	Seq. ID	OJ000350_28.0314.C11
Gene No.	92716	Strand	-
Start	15780	End	22760
Name	OJ000350_28.0314.C11.o5.np	Method	AAT/NAP
Start	22659	End	22747
GI	4680183	Score	99
Exons	22659..22747		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44083	Seq. ID	OJ000350_28.0314.C12
Gene No.	92717	Strand	+
Start	149	End	256
Name	OJ000350_28.0314.C12.o1.gp	Method	AAT/GAP
Start	149	End	256
GI	uC-osf1cyp088b12b1	Score	130
Exons	149..256		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44083	Seq. ID	OJ000350_28.0314.C12
Gene No.	92718	Strand	+
Start	1331	End	3698

Name	OJ000350_28.0314.C12.o1.np	Method	AAT/NAP
Start	1331	End	3698
GI	7263180	Score	77
Exons	1331..1481, 1856..1951, 2171..2244, 3614..3698		
GI Descrip.	(AF232060) cellular nucleic acid binding protein mutant H128D [synthetic construct]		

Seq. No.	44083	Seq. ID	OJ000350_28.0314.C12
Gene No.	92719	Strand	-
Start	3008	End	5556
Name	OJ000350_28.0314.C12.o2.gs	Method	GENSCAN
Start	3008	End	5556
GI	none	Score	.64
Exons	3008..3040, 5151..5361, 5444..5556		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92720	Strand	+
Start	240	End	2433
Name	OJ000350_28.0314.C13.o1.gs	Method	GENSCAN
Start	240	End	2056
GI	none	Score	.7
Exons	240..304, 494..614, 1175..1486, 1580..1619, 1785..2056		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92720	Strand	+
Start	240	End	2433
Name	OJ000350_28.0314.C13.o3.np	Method	AAT/NAP
Start	372	End	2433
GI	6721561	Score	112
Exons	372..462, 2350..2433		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92720	Strand	+
Start	240	End	2433
Name	OJ000350_28.0314.C13.o1.gp	Method	AAT/GAP
Start	969	End	1058
GI	uC-osflcyp088b12b1	Score	129
Exons	969..1058		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92720	Strand	+
Start	240	End	2433
Name	OJ000350_28.0314.C13.o4.np	Method	AAT/NAP
Start	1246	End	1903
GI	7340869	Score	569
Exons	1246..1387, 1580..1903		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92721	Strand	-

Start	1	End	162
Name	OJ000350_28.0314.C13.o1.np	Method	AAT/NAP
Start	1	End	162
GI	7248392	Score	70
Exons	1..162		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92722	Strand	-
Start	250	End	4320
Name	OJ000350_28.0314.C13.o2.np	Method	AAT/NAP
Start	250	End	4300
GI	4680183	Score	128
Exons	250..341, 4275..4300		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92722	Strand	-
Start	250	End	4320
Name	OJ000350_28.0314.C13.o2.gs	Method	GENSCAN
Start	2968	End	4320
GI	none	Score	1
Exons	2968..4320		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92723	Strand	-
Start	9879	End	11689
Name	OJ000350_28.0314.C13.o3.gs	Method	GENSCAN
Start	9879	End	11683
GI	none	Score	.78
Exons	9879..9976, 10074..10194, 10231..10608, 10863..11130, 11223..11521, 11615..11683		

Seq. No.	44084	Seq. ID	OJ000350_28.0314.C13
Gene No.	92723	Strand	-
Start	9879	End	11689
Name	OJ000350_28.0314.C13.o5.np	Method	AAT/NAP
Start	10355	End	11689
GI	7228438	Score	199
Exons	10355..10608, 10863..11116, 11215..11521, 11615..11689		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44085	Seq. ID	OJ000350_28.0314.C14
Gene No.	92724	Strand	-
Start	1	End	3788
Name	OJ000350_28.0314.C14.o1.np	Method	AAT/NAP
Start	1	End	3788
GI	7228442	Score	1538
Exons	1..51, 1135..3350, 3428..3788		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44085	Seq. ID	OJ000350_28.0314.C14
Gene No.	92724	Strand	-

Start	1	End	3788
Name	OJ000350_28.0314.C14.o2.tw	Method	TBLASTX:Wheat
Start	46	End	306
GI	none	Score	100
Exons	46..81, 115..243, 116..244, 250..303, 253..306		

Seq. No.	44085	Seq. ID	OJ000350_28.0314.C14
Gene No.	92724	Strand	-
Start	1	End	3788
Name	OJ000350_28.0314.C14.o1.tw	Method	TBLASTX:Wheat
Start	2004	End	2391
GI	none	Score	71
Exons	2004..2201, 2081..2167, 2100..2189, 2146..2193, 2214..2390, 2241..2390, 2242..2391		

Seq. No.	44085	Seq. ID	OJ000350_28.0314.C14
Gene No.	92724	Strand	-
Start	1	End	3788
Name	OJ000350_28.0314.C14.o1.tm	Method	TBLASTX:Maize
Start	2100	End	2682
GI	none	Score	38
Exons	2100..2180, 2152..2178, 2220..2528, 2224..2529, 2529..2681, 2560..2682		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92725	Strand	+
Start	4583	End	12408
Name	OJ000350_28.0314.C15.o2.np	Method	AAT/NAP
Start	4583	End	12408
GI	7228457	Score	171
Exons	4583..4722, 6224..6716, 12211..12408		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92725	Strand	+
Start	4583	End	12408
Name	OJ000350_28.0314.C15.o3.np	Method	AAT/NAP
Start	5041	End	9178
GI	6063554	Score	286
Exons	5041..5103, 7457..7679, 7797..8009, 8938..8973, 9002..9178		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92725	Strand	+
Start	4583	End	12408
Name	OJ000350_28.0314.C15.o4.np	Method	AAT/NAP
Start	7625	End	12186
GI	7486751	Score	82
Exons	7625..7648, 9995..10173, 12115..12186		
GI Descrip.	hypothetical protein F9F13.140 - Arabidopsis thaliana gi|5262172|emb|CAB45815.1| (AL080253) putative protein [Arabidopsis thaliana] gi|7268845|emb|CAB79049.1| (AL161553) putative protein [Arabidopsis thaliana]		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92726	Strand	-
Start	68	End	2153
Name	OJ000350_28.0314.C15.o1.np	Method	AAT/NAP
Start	68	End	2153
GI	7523517	Score	262
Exons	68..122, 1146..1224, 1658..1712, 1856..2153		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92727	Strand	-
Start	8357	End	8428
Name	OJ000350_28.0314.C15.o1.gp	Method	AAT/GAP
Start	8357	End	8428
GI	uC-osroM202024h08a1	Score	80
Exons	8357..8428		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92728	Strand	-
Start	8569	End	9087
Name	OJ000350_28.0314.C15.o2.gp	Method	AAT/GAP
Start	8569	End	9087
GI	uC-osf1M202048c12b1	Score	841
Exons	8569..9087		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44086	Seq. ID	OJ000350_28.0314.C15
Gene No.	92729	Strand	-
Start	10005	End	12613
Name	OJ000350_28.0314.C15.o2.gs	Method	GENSCAN
Start	10005	End	12613
GI	none	Score	.54
Exons	10005..10185, 10254..10422, 10709..10770, 11086..11300, 11491..11498, 11880..12026, 12237..12348, 12425..12613		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92730	Strand	+
Start	342	End	752
Name	OJ000350_28.0314.C16.o1.gs	Method	GENSCAN
Start	342	End	752
GI	none	Score	.62
Exons	342..529, 678..752		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92731	Strand	+
Start	2615	End	4563
Name	OJ000350_28.0314.C16.o2.np	Method	AAT/NAP
Start	2615	End	4563
GI	4680186	Score	234
Exons	2615..2635, 4342..4563		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16

Gene No.	92732	Strand	-
Start	1	End	2852
Name	OJ000350_28.0314.C16.o1.np	Method	AAT/NAP
Start	1	End	2821
GI	6983860	Score	642
Exons	1..41, 1533..1851, 2050..2821		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92732	Strand	-
Start	1	End	2852
Name	OJ000350_28.0314.C16.o2.gs	Method	GENSCAN
Start	1503	End	2852
GI	none	Score	.92
Exons	1503..2852		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92733	Strand	-
Start	4110	End	4492
Name	OJ000350_28.0314.C16.o1.gp	Method	AAT/GAP
Start	4110	End	4492
GI	uC-osflcyp033a04b1	Score	692
Exons	4110..4492		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92734	Strand	-
Start	4957	End	6832
Name	OJ000350_28.0314.C16.o1.tm	Method	TBLASTX:Maize
Start	2091	End	2390
GI	none	Score	71
Exons	2091..2390, 2287..2376		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92734	Strand	-
Start	4957	End	6832
Name	OJ000350_28.0314.C16.o1.tw	Method	TBLASTX:Wheat
Start	2271	End	2630
GI	none	Score	157
Exons	2271..2630, 2275..2628		

Seq. No.	44087	Seq. ID	OJ000350_28.0314.C16
Gene No.	92734	Strand	-
Start	4957	End	6832
Name	OJ000350_28.0314.C16.o3.np	Method	AAT/NAP
Start	4957	End	6832
GI	6907087	Score	1090
Exons	4957..5058, 5610..6254, 6464..6832		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92735	Strand	+
Start	2630	End	2750

Name	OJ000350_28.0314.C17.o1.gp	Method	AAT/GAP
Start	2630	End	2750
GI	55507_1.R1084	Score	129
Exons	2630..2750		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-16 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92736	Strand	+
Start	3280	End	3867
Name	OJ000350_28.0314.C17.o2.gp	Method	AAT/GAP
Start	3280	End	3867
GI	2310235	Score	301
Exons	3280..3317, 3728..3867		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o1.np	Method	AAT/NAP
Start	3728	End	5786
GI	4680203	Score	2352
Exons	3728..5400, 5554..5786		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o3.gp	Method	AAT/GAP
Start	3732	End	5786
GI	342_1.R1084	Score	3498
Exons	3732..5786		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o2.gs	Method	GENSCAN
Start	3964	End	5643
GI	none	Score	.74
Exons	3964..5643		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o3.tw	Method	TBLASTX:Wheat
Start	4078	End	4434
GI	none	Score	101
Exons	4078..4185, 4168..4419, 4176..4418, 4177..4434, 4178..4429		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o1.ts	Method	TBLASTX:Soybean
Start	4350	End	4779

GI	none	Score	102
Exons	4350..4433, 4351..4425, 4426..4488, 4483..4779, 4537..4761		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o1.tc	Method	TBLASTX:Cress
Start	4512	End	4860
GI	none	Score	318
Exons	4512..4664, 4519..4860, 4704..4841		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o1.tw	Method	TBLASTX:Wheat
Start	4648	End	5117
GI	none	Score	72
Exons	4648..4701, 4656..4700, 4702..4806, 4713..4802, 4810..4908, 4815..4907, 4888..5112, 4911..5117, 4938..5117		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o1.tm	Method	TBLASTX:Maize
Start	4693	End	5151
GI	none	Score	243
Exons	4693..4947, 4705..4947, 4957..5151		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o2.ts	Method	TBLASTX:Soybean
Start	4981	End	5223
GI	none	Score	216
Exons	4981..5223		

Seq. No.	44088	Seq. ID	OJ000350_28.0314.C17
Gene No.	92737	Strand	+
Start	3964	End	5786
Name	OJ000350_28.0314.C17.o2.tw	Method	TBLASTX:Wheat
Start	5256	End	5705
GI	none	Score	87
Exons	5256..5306, 5257..5319, 5325..5507, 5329..5547, 5575..5703, 5580..5705, 5581..5703		

Seq. No.	44089	Seq. ID	OJ000350_28.0314.C18
Gene No.	92738	Strand	+
Start	1	End	1846
Name	OJ000350_28.0314.C18.o1.gp	Method	AAT/GAP
Start	1	End	1666
GI	342_1.R1084	Score	2434
Exons	1..990, 1120..1217, 1327..1666		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	44089	Seq. ID	OJ000350_28.0314.C18
Gene No.	92738	Strand	+

Start	1	End	1846
Name	OJ000350_28.0314.C18.o2.gp	Method	AAT/GAP
Start	1	End	1846
GI	342_1.R1084	Score	2750
Exons	1..990, 1120..1217, 1327..1846		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	44089	Seq. ID	OJ000350_28.0314.C18
Gene No.	92738	Strand	+
Start	1	End	1846
Name	OJ000350_28.0314.C18.o1.np	Method	AAT/NAP
Start	1	End	891
GI	4680203	Score	789
Exons	1..891		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44089	Seq. ID	OJ000350_28.0314.C18
Gene No.	92738	Strand	+
Start	1	End	1846
Name	OJ000350_28.0314.C18.o1.tw	Method	TBLASTX:Wheat
Start	20	End	837
GI	none	Score	139
Exons	20..406, 21..422, 22..438, 429..476, 433..477, 480..515, 484..522, 515..649, 549..662, 550..663, 552..671, 668..739, 676..756, 745..837, 771..836		

Seq. No.	44089	Seq. ID	OJ000350_28.0314.C18
Gene No.	92738	Strand	+
Start	1	End	1846
Name	OJ000350_28.0314.C18.o1.gs	Method	GENSCAN
Start	64	End	912
GI	none	Score	.86
Exons	64..178, 359..523, 548..912		

Seq. No.	44090	Seq. ID	OJ000350_28.0314.C19
Gene No.	92739	Strand	+
Start	624	End	3128
Name	OJ000350_28.0314.C19.o1.np	Method	AAT/NAP
Start	624	End	3128
GI	4680204	Score	947
Exons	624..2060, 2135..2634, 3103..3128		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	44090	Seq. ID	OJ000350_28.0314.C19
Gene No.	92739	Strand	+
Start	624	End	3128
Name	OJ000350_28.0314.C19.o1.gs	Method	GENSCAN
Start	639	End	2893
GI	none	Score	.46
Exons	639..1895, 1941..2060, 2135..2276, 2453..2547, 2549..2893		

Seq. No.	44090	Seq. ID	OJ000350_28.0314.C19
Gene No.	92740	Strand	-
Start	2669	End	3128
Name	OJ000350_28.0314.C19.o1.tw	Method	TBLASTX:Wheat
Start	1267	End	1670

GI	none	Score	221
Exons	1267..1383, 1269..1505, 1269..1418, 1370..1510, 1500..1670, 1575..1670		

Seq. No.	44090	Seq. ID	OJ000350_28.0314.C19
Gene No.	92740	Strand	-
Start	2669	End	3128
Name	OJ000350_28.0314.C19.o2.tw	Method	TBLASTX:Wheat
Start	1671	End	2347
GI	none	Score	69
Exons	1671..1751, 1992..2063, 2126..2347, 2128..2202		

Seq. No.	44090	Seq. ID	OJ000350_28.0314.C19
Gene No.	92740	Strand	-
Start	2669	End	3128
Name	OJ000350_28.0314.C19.o1.gp	Method	AAT/GAP
Start	2669	End	3128
GI	uC-osflcyp176f10b1	Score	791
Exons	2669..3128		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92741	Strand	+
Start	1	End	4971
Name	OJ000350_28.0314.C20.o2.np	Method	AAT/NAP
Start	1	End	3687
GI	6552737	Score	93
Exons	1..28, 1828..2092, 2193..2314, 3548..3687		
GI Descrip.	(AC013482) T26F17.21 [Arabidopsis thaliana]		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92741	Strand	+
Start	1	End	4971
Name	OJ000350_28.0314.C20.o1.gs	Method	GENSCAN
Start	138	End	1130
GI	none	Score	.78
Exons	138..311, 373..518, 603..675, 948..1130		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92741	Strand	+
Start	1	End	4971
Name	OJ000350_28.0314.C20.o1.np	Method	AAT/NAP
Start	1184	End	1432
GI	862343	Score	117
Exons	1184..1432		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92741	Strand	+
Start	1	End	4971
Name	OJ000350_28.0314.C20.o2.gs	Method	GENSCAN
Start	1733	End	4971

GI	none	Score	.61
Exons	1733..1875, 1928..2011, 2519..2643, 3115..3275, 3454..3648, 4630..4971		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92741	Strand	+
Start	1	End	4971
Name	OJ000350_28.0314.C20.o3.np	Method	AAT/NAP
Start	2271	End	4619
GI	5042463	Score	123
Exons	2271..2306, 3442..3649, 4310..4463, 4515..4619		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92742	Strand	-
Start	5564	End	7627
Name	OJ000350_28.0314.C20.o2.gp	Method	AAT/GAP
Start	5564	End	7380
GI	none	Score	1953
Exons	5564..6543, 7343..7380		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92742	Strand	-
Start	5564	End	7627
Name	OJ000350_28.0314.C20.o3.gs	Method	GENSCAN
Start	5824	End	7529
GI	none	Score	.77
Exons	5824..6543, 7343..7529		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92742	Strand	-
Start	5564	End	7627
Name	OJ000350_28.0314.C20.o1.tw	Method	TBLASTX:Wheat
Start	6421	End	7622
GI	none	Score	153
Exons	6421..6543, 7379..7621, 7386..7622		

Seq. No.	44091	Seq. ID	OJ000350_28.0314.C20
Gene No.	92742	Strand	-
Start	5564	End	7627
Name	OJ000350_28.0314.C20.o1.tm	Method	TBLASTX:Maize
Start	7379	End	7627
GI	none	Score	116
Exons	7379..7627, 7386..7622		

Seq. No.	44092	Seq. ID	OJ000350_28.0314.C21
Gene No.	92743	Strand	+
Start	665	End	789
Name	OJ000350_28.0314.C21.o1.gs	Method	GENSCAN
Start	665	End	789
GI	none	Score	.95
Exons	665..789		

Seq. No.	44092	Seq. ID	OJ000350_28.0314.C21
Gene No.	92744	Strand	-
Start	2605	End	2934
Name	OJ000350_28.0314.C21.o2.gs	Method	GENSCAN

Start	2605	End	2934
GI	none	Score	.59
Exons	2605..2934		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92745	Strand	+
Start	280	End	5546
Name	OJ000350_28.0314.C22.o1.np	Method	AAT/NAP
Start	280	End	5546
GI	6815097	Score	2757
Exons	280..306, 1377..1673, 2233..2845, 2960..4641, 4780..5546		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92745	Strand	+
Start	280	End	5546
Name	OJ000350_28.0314.C22.o1.gs	Method	GENSCAN
Start	1369	End	1861
GI	none	Score	.5
Exons	1369..1470, 1500..1861		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92745	Strand	+
Start	280	End	5546
Name	OJ000350_28.0314.C22.o2.gs	Method	GENSCAN
Start	2602	End	3522
GI	none	Score	.79
Exons	2602..2632, 2715..2841, 3366..3522		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92745	Strand	+
Start	280	End	5546
Name	OJ000350_28.0314.C22.o3.gs	Method	GENSCAN
Start	4192	End	5474
GI	none	Score	.7
Exons	4192..4269, 4414..4506, 4657..4798, 4858..5474		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-
Start	7011	End	7821
Name	OJ000350_28.0314.C22.o1.ts	Method	TBLASTX:Soybean
Start	4165	End	4610
GI	5509260	Score	173
Exons	4165..4503, 4168..4371, 4530..4610, 4531..4602		
GI Descrip.	-		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-
Start	7011	End	7821
Name	OJ000350_28.0314.C22.o2.tm	Method	TBLASTX:Maize
Start	5055	End	5345
GI	none	Score	271
Exons	5055..5345, 5189..5344		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-

Start	7011	End	7821
Name	OJ000350_28.0314.C22.o2.ts	Method	TBLASTX:Soybean
Start	5055	End	5399
GI	none	Score	91
Exons	5055..5174, 5169..5399		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-
Start	7011	End	7821
Name	OJ000350_28.0314.C22.o1.tm	Method	TBLASTX:Maize
Start	5346	End	5776
GI	none	Score	139
Exons	5346..5441, 5351..5443, 5498..5725, 5502..5723, 5506..5724, 5511..5726, 5732..5776		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-
Start	7011	End	7821
Name	OJ000350_28.0314.C22.o4.gs	Method	GENSCAN
Start	7011	End	7821
GI	none	Score	.52
Exons	7011..7027, 7296..7821		

Seq. No.	44093	Seq. ID	OJ000350_28.0314.C22
Gene No.	92746	Strand	-
Start	7011	End	7821
Name	OJ000350_28.0314.C22.o1.gp	Method	AAT/GAP
Start	7391	End	7792
GI	LIB3433-016-Q6-K6-F12	Score	681
Exons	7391..7792		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 2.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	44094	Seq. ID	OJ000350_28.0314.C23
Gene No.	92747	Strand	+
Start	369	End	1297
Name	OJ000350_28.0314.C23.o1.gs	Method	GENSCAN
Start	369	End	1297
GI	none	Score	.6
Exons	369..497, 793..1297		

Seq. No.	44095	Seq. ID	OJ000350_25.0309.C4
Gene No.	92752	Strand	
Start	837	End	1040
Name	OJ000350_25.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	837	End	1040
GI	none	Score	106
Exons	837..911, 838..912, 839..910, 897..1040, 905..1030		

Seq. No.	44095	Seq. ID	OJ000350_25.0309.C4
Gene No.	92753	Strand	
Start	1894	End	2166
Name	OJ000350_25.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	1894	End	2031
GI	none	Score	191

Exons	1894..2031, 1894..2031		
Seq. No.	44095	Seq. ID	OJ000350_25.0309.C4
Gene No.	92753	Strand	
Start	1894	End	2166
Name	OJ000350_25.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	1900	End	2166
GI	none	Score	250
Exons	1900..2064, 1900..2082, 1901..2083, 1923..2090, 2128..2166		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92754	Strand	-
Start	1816	End	1946
Name	OJ000350_25.0309.C5.o3.ts	Method	TBLASTX:Soybean
Start	379	End	516
GI	none	Score	128
Exons	379..507, 394..516		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92754	Strand	-
Start	1816	End	1946
Name	OJ000350_25.0309.C5.o1.gp	Method	AAT/GAP
Start	1816	End	1946
GI	5607624	Score	215
Exons	1816..1946		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92755	Strand	
Start	1868	End	2525
Name	OJ000350_25.0309.C5.o2.tc	Method	TBLASTX:Cress
Start	1868	End	2438
GI	none	Score	38
Exons	1868..1903, 1873..1902, 1920..1994, 1920..1994, 1921..1995, 2045..2317, 2053..2319, 2053..2316, 2055..2318, 2320..2436, 2321..2431, 2331..2438, 2331..2438		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92755	Strand	
Start	1868	End	2525
Name	OJ000350_25.0309.C5.o2.ts	Method	TBLASTX:Soybean
Start	1915	End	2318
GI	none	Score	52
Exons	1915..2019, 1932..2006, 1934..2029, 2023..2316, 2025..2318		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92755	Strand	
Start	1868	End	2525
Name	OJ000350_25.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2331
GI	none	Score	542
Exons	1933..2331, 1935..2330		
Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92755	Strand	
Start	1868	End	2525

Name	OJ000350_25.0309.C5.o2.tm	Method	TBLASTX:Maize
Start	2332	End	2525
GI	none	Score	304
Exons	2332..2517, 2332..2523, 2334..2522, 2334..2525		

Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92756	Strand	
Start	2518	End	3514
Name	OJ000350_25.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	2518	End	2878
GI	none	Score	483
Exons	2518..2877, 2520..2834, 2534..2878		

Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92756	Strand	
Start	2518	End	3514
Name	OJ000350_25.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	2560	End	3391
GI	none	Score	568
Exons	2560..2964, 2562..2834, 2564..2965, 2824..2970, 2965..3114, 2966..3121, 2988..3131, 3135..3389, 3147..3389, 3160..3390, 3173..3391		

Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92756	Strand	
Start	2518	End	3514
Name	OJ000350_25.0309.C5.o3.tc	Method	TBLASTX:Cress
Start	2879	End	3246
GI	none	Score	88
Exons	2879..3004, 2880..2960, 2887..2964, 2944..3126, 2965..3114, 2969..3127, 2970..3131, 2988..3131, 3135..3242, 3135..3242, 3160..3246, 3188..3244		

Seq. No.	44096	Seq. ID	OJ000350_25.0309.C5
Gene No.	92756	Strand	
Start	2518	End	3514
Name	OJ000350_25.0309.C5.o4.tc	Method	TBLASTX:Cress
Start	3267	End	3514
GI	none	Score	49
Exons	3267..3317, 3277..3318, 3289..3324, 3318..3398, 3319..3408, 3319..3360, 3321..3398, 3409..3441, 3440..3514, 3472..3513		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o8.ts	Method	TBLASTX:Soybean
Start	1	End	271
GI	none	Score	73
Exons	1..51, 3..53, 44..82, 93..230, 97..249, 97..231, 98..271, 104..268		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o6.ts	Method	TBLASTX:Soybean
Start	471	End	886
GI	none	Score	105

Exons	471..698, 476..700, 477..695, 478..696, 715..843, 715..849, 719..853, 720..863, 850..885, 851..886		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o8.tm	Method	TBLASTX:Maize
Start	664	End	1267
GI	none	Score	153
Exons	664..903, 719..1006, 1076..1267		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o10.tc	Method	TBLASTX:Cress
Start	719	End	1276
GI	none	Score	155
Exons	719..1006, 757..903, 1076..1276, 1168..1275		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o3.ts	Method	TBLASTX:Soybean
Start	1189	End	2005
GI	none	Score	437
Exons	1189..1401, 1190..1522, 1262..1549, 1377..1550, 1531..1650, 1548..2000, 1550..2005, 1551..2000, 1591..2004		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o7.tc	Method	TBLASTX:Cress
Start	1289	End	1689
GI	none	Score	323
Exons	1289..1528, 1295..1528, 1386..1550, 1557..1688, 1559..1687, 1561..1689		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o10.tm	Method	TBLASTX:Maize
Start	1909	End	2078
GI	none	Score	85
Exons	1909..1956, 1911..1964, 1917..1958, 1958..2026, 1959..2024, 2033..2074, 2035..2076, 2043..2078		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o11.tc	Method	TBLASTX:Cress
Start	1983	End	2264
GI	none	Score	270
Exons	1983..2264, 1991..2209		
Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071

Name	OJ000350_25.0309.C6.o7.ts	Method	TBLASTX:Soybean
Start	2090	End	2543
GI	none	Score	43
Exons	2090..2149, 2121..2150, 2151..2276, 2151..2225, 2247..2351, 2264..2503, 2273..2458, 2286..2498, 2499..2543, 2502..2540		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o6.tc	Method	TBLASTX:Cress
Start	2353	End	2776
GI	none	Score	52
Exons	2353..2400, 2354..2458, 2370..2774, 2409..2774, 2437..2775, 2507..2776		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o2.tc	Method	TBLASTX:Cress
Start	2786	End	3530
GI	none	Score	664
Exons	2786..3226, 2787..3233, 3280..3528, 3294..3530, 3296..3529		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o5.ts	Method	TBLASTX:Soybean
Start	3060	End	3502
GI	none	Score	218
Exons	3060..3227, 3076..3225, 3091..3228, 3095..3226, 3268..3498, 3278..3415, 3285..3500, 3296..3502, 3298..3501		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o5.tm	Method	TBLASTX:Maize
Start	3171	End	3504
GI	none	Score	82
Exons	3171..3227, 3172..3228, 3173..3226, 3268..3504, 3278..3415, 3285..3503, 3298..3504		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	3503	End	6466
GI	none	Score	99
Exons	3503..3577, 3507..3581, 3510..3581, 3706..3753, 3710..3754, 3772..3804, 3802..4509, 3803..4162, 3804..4511, 3805..4518, 4505..4630, 4506..4655, 4506..4634, 4507..4635, 4642..5394, 4655..5395, 4656..5402, 4866..5396, 5399..5455, 5402..5551, 5409..5552, 5410..5613, 5521..5691, 5546..5689, 5562..5690, 6117..6401, 6118..6399, 6191..6466		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071

Name	OJ000350_25.0309.C6.o7.tm	Method	TBLASTX:Maize
Start	3506	End	4002
GI	none	Score	140
Exons	3506..3607, 3507..3611, 3507..3608, 3706..3753, 3710..3754, 3772..3804, 3802..4002, 3804..4001, 3805..4002		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o13.tc	Method	TBLASTX:Cress
Start	3542	End	3894
GI	none	Score	81
Exons	3542..3607, 3543..3599, 3715..3765, 3719..3766, 3805..3894, 3807..3893		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o4.tc	Method	TBLASTX:Cress
Start	3897	End	4290
GI	none	Score	595
Exons	3897..4289, 3898..4290, 3901..4290		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o2.tw	Method	TBLASTX:Wheat
Start	4590	End	5034
GI	none	Score	634
Exons	4590..5033, 4590..4829, 4591..5034, 4591..5034		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o5.tc	Method	TBLASTX:Cress
Start	4735	End	5151
GI	none	Score	394
Exons	4735..5145, 4736..5149, 4740..5147, 4741..5151		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o9.tc	Method	TBLASTX:Cress
Start	5166	End	5681
GI	none	Score	158
Exons	5166..5363, 5166..5384, 5167..5403, 5167..5388, 5425..5679, 5490..5672, 5535..5681		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o1.gp	Method	AAT/GAP
Start	5408	End	5493
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	5408..5493		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase		

(EC 2.7.7.6) beta''-2 chain - rice chloroplast
>gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2
[Oryza sativa]'

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o6.tm	Method	TBLASTX:Maize
Start	5661	End	6022
GI	none	Score	138
Exons	5661..5783, 5668..5808, 5670..5783, 5677..5784, 5680..5754, 5681..5728, 5682..5753, 5698..5754, 5704..5814, 5708..5806, 5712..5759, 5713..5808, 5713..5814, 5717..5818, 5743..5817, 5746..5805, 5750..5836, 5750..5857, 5771..5857, 5786..5854, 5789..5845, 5792..5845, 5798..5896, 5798..5896, 5798..5845, 5798..5845, 5840..6004, 5840..6004, 5846..6001, 5864..6019, 5867..6001, 5875..5919, 5882..6022, 5882..5905, 5903..5935, 5909..5974, 5923..5967, 5924..5974, 5926..6003, 5927..6013, 5932..5976, 5960..6022, 5980..6018, 5983..6021		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	6023	End	6834
GI	none	Score	46
Exons	6023..6061, 6056..6421, 6086..6139, 6087..6422, 6088..6834, 6088..6420, 6114..6833, 6496..6834		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o12.tc	Method	TBLASTX:Cress
Start	6065	End	6363
GI	none	Score	66
Exons	6065..6172, 6087..6362, 6088..6363, 6088..6360, 6117..6362		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	6288	End	6907
GI	none	Score	42
Exons	6288..6359, 6299..6337, 6301..6360, 6325..6585, 6332..6493, 6486..6902, 6486..6905, 6487..6906, 6488..6907		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92757	Strand	-
Start	5408	End	7071
Name	OJ000350_25.0309.C6.o8.tc	Method	TBLASTX:Cress
Start	6364	End	7071
GI	none	Score	55
Exons	6364..6399, 6398..6487, 6406..6483, 6475..6741, 6501..6722, 6509..6769, 6735..6839, 6735..6842, 6736..7071, 6736..7062, 6927..7070		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6

Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	7141	End	8283
GI	none	Score	49
Exons	7141..7203, 7302..7358, 7305..7349, 7352..7417, 7353..7427, 7361..7417, 7439..8038, 7439..8140, 7440..8081, 8084..8170, 8086..8163, 8092..8235, 8217..8282, 8227..8283		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o2.ts	Method	TBLASTX:Soybean
Start	7275	End	8348
GI	none	Score	143
Exons	7275..7430, 7296..7430, 7297..7431, 7439..7816, 7439..8140, 7440..8081, 8084..8197, 8086..8163, 8099..8224, 8217..8288, 8228..8284, 8241..8348		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o9.tm	Method	TBLASTX:Maize
Start	7545	End	7683
GI	none	Score	215
Exons	7545..7682, 7545..7682, 7546..7683, 7546..7683		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o4.tm	Method	TBLASTX:Maize
Start	7871	End	8164
GI	none	Score	67
Exons	7871..7960, 7879..8037, 7879..7926, 7907..8140, 7908..8081, 8007..8162, 8075..8164, 8084..8164		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o3.tw	Method	TBLASTX:Wheat
Start	7922	End	8328
GI	none	Score	240
Exons	7922..8140, 7926..8081, 8007..8225, 8075..8254, 8076..8225, 8084..8260, 8185..8328, 8201..8323, 8217..8327, 8242..8328		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	8165	End	8824
GI	none	Score	96
Exons	8165..8227, 8166..8225, 8210..8335, 8217..8336, 8218..8337, 8332..8364, 8333..8365, 8334..8372, 8370..8411, 8376..8411, 8419..8484, 8419..8484, 8470..8514, 8476..8568, 8484..8546, 8486..8569, 8608..8784, 8618..8803, 8621..8803, 8798..8824, 8798..8824		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o3.tc	Method	TBLASTX:Cress
Start	8483	End	9105
GI	none	Score	35
Exons	8483..8503, 8484..8501, 8618..8992, 8620..8994, 8621..8995, 8990..9103, 8992..9105		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o4.ts	Method	TBLASTX:Soybean
Start	8617	End	9265
GI	none	Score	167
Exons	8617..8784, 8618..9262, 8620..9264, 8621..9265		

Seq. No.	44097	Seq. ID	OJ000350_25.0309.C6
Gene No.	92758	Strand	
Start	7141	End	9265
Name	OJ000350_25.0309.C6.o3.tm	Method	TBLASTX:Maize
Start	8825	End	9109
GI	none	Score	475
Exons	8825..9109, 8825..9109		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92761	Strand	+
Start	3491	End	4037
Name	OJ000350_25.0309.C7.o5.gp	Method	AAT/GAP
Start	3491	End	4037
GI	5005311	Score	1047
Exons	3491..4037		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92762	Strand	-
Start	1258	End	2298
Name	OJ000350_25.0309.C7.o3.gp	Method	AAT/GAP
Start	1258	End	2298
GI	2721_1.R1084	Score	1982
Exons	1258..2298		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	4345
GI	none	Score	534

Exons	1..504, 2..355, 9..539, 410..505, 1137..1199, 1224..1292, 1269..1556, 1282..1554, 1414..1560, 1581..1649, 1985..2164, 1989..2165, 1989..2165, 1994..2167, 2256..2315, 2258..2329, 2261..2314, 2262..2315, 2321..2374, 2322..2375, 2325..2372, 2360..2413, 2362..2445, 2382..2453, 2406..2450, 2472..2519, 2472..2513, 2474..2521, 2479..2514, 2541..2609, 2544..2615, 2551..2610, 2700..2717, 2799..2840, 2806..2841, 2873..3034, 2879..3373, 2883..3350, 2905..3375, 3395..3430, 3435..3998, 3446..4345, 3625..4278, 4276..4344		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	844	End	1779
GI	none	Score	186
Exons	844..1011, 859..888, 879..1004, 881..1012, 988..1068, 1021..1119, 1060..1122, 1096..1188, 1121..1192, 1122..1193, 1124..1192, 1197..1238, 1197..1235, 1224..1280, 1225..1281, 1234..1281, 1262..1348, 1273..1644, 1275..1643, 1413..1667, 1651..1695, 1653..1697, 1680..1778, 1681..1779, 1696..1779		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	1782	End	3447
GI	none	Score	200
Exons	1782..1946, 1782..1883, 1874..1906, 1919..2233, 1931..2233, 1932..2234, 1939..2235, 2193..2318, 2203..2316, 2205..2318, 2318..2410, 2319..2435, 2319..2447, 2320..2457, 2326..2457, 2397..2543, 2439..2543, 2440..2544, 2453..2548, 2536..2613, 2537..2617, 2544..2621, 2574..2684, 2577..2690, 2605..2706, 2628..2843, 2664..2789, 2689..2844, 2837..3040, 2859..3374, 2877..3368, 2879..3385, 2905..3375, 3104..3385, 3380..3433, 3380..3439, 3385..3447		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	2048	End	3946
GI	none	Score	125
Exons	2048..2146, 2049..2144, 2057..2146, 2971..3345, 2971..3375, 2972..3382, 3435..3932, 3449..3946, 3625..3945		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o2.tw	Method	TBLASTX:Wheat
Start	2166	End	2642
GI	none	Score	183
Exons	2166..2285, 2166..2285, 2282..2329, 2282..2320, 2319..2441, 2319..2441, 2320..2442, 2320..2442, 2416..2526, 2445..2528, 2445..2525, 2446..2526, 2525..2611, 2528..2608, 2529..2615, 2538..2642, 2601..2633, 2605..2640		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o4.gp	Method	AAT/GAP
Start	2336	End	2881
GI	2135_1.R1084	Score	1064
Exons	2336..2881		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o1.tw	Method	TBLASTX:Wheat
Start	2864	End	3308
GI	none	Score	119
Exons	2864..2923, 2865..2948, 2877..2957, 2878..2949, 2953..3303, 2955..3293, 2958..3308		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o5.tm	Method	TBLASTX:Maize
Start	3491	End	3804
GI	none	Score	260
Exons	3491..3802, 3628..3672, 3733..3804		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92763	Strand	-
Start	2336	End	4345
Name	OJ000350_25.0309.C7.o5.tc	Method	TBLASTX:Cress
Start	3951	End	4221
GI	none	Score	57
Exons	3951..4133, 3955..4221, 3956..4213		

Seq. No.	44098	Seq. ID	OJ000350_25.0309.C7
Gene No.	92764	Strand	
Start	4304	End	4444
Name	OJ000350_25.0309.C7.o4.tc	Method	TBLASTX:Cress
Start	4304	End	4444
GI	none	Score	229
Exons	4304..4444, 4305..4433, 4306..4443		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92766	Strand	+
Start	4448	End	5177
Name	OJ000350_25.0309.C8.o3.gp	Method	AAT/GAP
Start	4448	End	5177
GI	24824_1.R1084	Score	1379
Exons	4448..5177		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92767	Strand	+
Start	5274	End	6099

Name	OJ000350_25.0309.C8.o4.gp	Method	AAT/GAP
Start	5274	End	6099
GI	14384_1.R1084	Score	1358
Exons	5274..5985, 6071..6099		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92768	Strand	+
Start	7915	End	8538
Name	OJ000350_25.0309.C8.o5.gp	Method	AAT/GAP
Start	7915	End	8538
GI	7528_2.R1084	Score	1143
Exons	7915..8538		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92769	Strand	+
Start	9949	End	10390
Name	OJ000350_25.0309.C8.o7.gp	Method	AAT/GAP
Start	9949	End	10390
GI	uC-osf1M202092b08b1	Score	831
Exons	9949..10390		
GI Descrip.	'118048/sp|P07888|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92770	Strand	+
Start	14955	End	15477
Name	OJ000350_25.0309.C8.o8.gp	Method	AAT/GAP
Start	14955	End	15477
GI	uC-osf1m202104g03b1	Score	1026
Exons	14955..15477		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92771	Strand	+
Start	19021	End	19149
Name	OJ000350_25.0309.C8.o10.gp	Method	AAT/GAP
Start	19021	End	19149
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	19021..19149		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92772	Strand	+
Start	19699	End	20251

Name	OJ000350_25.0309.C8.o11.gp	Method	AAT/GAP
Start	19699	End	20251
GI	2896_1.R1084	Score	1023
Exons	19699..20251		
GI Descrip.	'131271/sp|P12157|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92773	Strand	+
Start	22308	End	22814
Name	OJ000350_25.0309.C8.o14.gp	Method	AAT/GAP
Start	22308	End	22814
GI	uC-osflcyp011b01b1	Score	987
Exons	22308..22814		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92774	Strand	+
Start	28834	End	29938
Name	OJ000350_25.0309.C8.o19.gp	Method	AAT/GAP
Start	28834	End	29938
GI	2291_1.R1084	Score	2153
Exons	28834..29938		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92775	Strand	+
Start	29953	End	31425
Name	OJ000350_25.0309.C8.o20.gp	Method	AAT/GAP
Start	29953	End	31425
GI	3073_1.R1084	Score	2931
Exons	29953..31425		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92777	Strand	-
Start	8542	End	9079
Name	OJ000350_25.0309.C8.o6.gp	Method	AAT/GAP
Start	8542	End	9079
GI	2653_1.R1084	Score	1052
Exons	8542..9079		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92778	Strand	-
Start	17792	End	17959
Name	OJ000350_25.0309.C8.o9.gp	Method	AAT/GAP
Start	17792	End	17959
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	17792..17959		
GI Descrip.	'1173189/sp|P12340|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92779	Strand	-
Start	21407	End	21858
Name	OJ000350_25.0309.C8.o12.gp	Method	AAT/GAP
Start	21407	End	21858
GI	uC-osflcyp003h11b1	Score	872
Exons	21407..21858		
GI Descrip.	'131332/sp|P09449|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZOP photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92780	Strand	-
Start	21988	End	22151
Name	OJ000350_25.0309.C8.o13.gp	Method	AAT/GAP
Start	21988	End	22151
GI	uC-osflcyp084g07a1	Score	201
Exons	21988..22151		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92781	Strand	-
Start	25289	End	25854
Name	OJ000350_25.0309.C8.o15.gp	Method	AAT/GAP
Start	25289	End	25854
GI	2798177	Score	1010
Exons	25289..25854		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92782	Strand	-
Start	26637	End	27027
Name	OJ000350_25.0309.C8.o16.gp	Method	AAT/GAP
Start	26637	End	27027
GI	5003883	Score	782
Exons	26637..27027		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92783	Strand	-
Start	27598	End	28183
Name	OJ000350_25.0309.C8.o17.gp	Method	AAT/GAP
Start	27598	End	28183
GI	481_1.R1084	Score	1023
Exons	27598..28183		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92784	Strand	-
Start	28488	End	28751
Name	OJ000350_25.0309.C8.o18.gp	Method	AAT/GAP
Start	28488	End	28751
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	28488..28751		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o8.ts	Method	TBLASTX:Soybean
Start	3107	End	4192
GI	none	Score	289
Exons	3107..3367, 3108..3458, 3108..3701, 3109..3702, 4136..4192		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o26.tm	Method	TBLASTX:Maize
Start	4132	End	4441
GI	none	Score	186
Exons	4132..4254, 4136..4255, 4231..4341, 4240..4296, 4242..4319, 4244..4339, 4245..4349, 4314..4439, 4316..4441, 4358..4441		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o3.tw	Method	TBLASTX:Wheat
Start	4175	End	4860
GI	none	Score	182
Exons	4175..4303, 4175..4336, 4177..4320, 4294..4392, 4323..4385, 4348..4422, 4386..4814, 4406..4858, 4406..4858, 4435..4860		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o5.ts	Method	TBLASTX:Soybean
Start	4415	End	5118
GI	none	Score	1013
Exons	4415..5101, 4415..5116, 4438..5118, 4603..5118		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o11.tc	Method	TBLASTX:Cress
Start	4424	End	4900
GI	none	Score	41
Exons	4424..4456, 4458..4808, 4459..4881, 4460..4900, 4463..4900		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o8.tm	Method	TBLASTX:Maize
Start	4442	End	5188
GI	none	Score	436
Exons	4442..5140, 4452..4814, 4454..5182, 5138..5188		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o22.tw	Method	TBLASTX:Wheat
Start	4861	End	5043
GI	none	Score	319
Exons	4861..5043, 4862..5041		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	5186	End	5938
GI	none	Score	926
Exons	5186..5932, 5187..5888, 5192..5938		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o32.tm	Method	TBLASTX:Maize
Start	5191	End	5479
GI	none	Score	205
Exons	5191..5475, 5192..5479, 5196..5474		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o37.tc	Method	TBLASTX:Cress
Start	5423	End	5570
GI	none	Score	156
Exons	5423..5545, 5424..5570, 5425..5559		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o17.tm	Method	TBLASTX:Maize
Start	5533	End	6069
GI	none	Score	310
Exons	5533..5892, 5542..5748, 5555..5902, 5558..5902, 6010..6069, 6014..6067		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o24.tc	Method	TBLASTX:Cress
Start	5653	End	5922
GI	none	Score	353
Exons	5653..5784, 5654..5920, 5654..5920, 5821..5922		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	6209	End	33576
GI	none	Score	49
Exons	6209..6241, 6239..6268, 6255..6332, 6268..6330, 32359..32532, 32359..32553, 32435..32566, 32553..32669, 32554..32673, 32677..32886, 32679..33392, 32682..33392, 33379..33477, 33389..33484, 33397..33483, 33411..33485, 33486..33566, 33490..33576, 33491..33574		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o7.tm	Method	TBLASTX:Maize
Start	6210	End	33454
GI	none	Score	53
Exons	6210..6242, 6211..6261, 6211..6246, 6236..6268, 6236..6268, 6254..6358, 6254..6340, 6268..6360, 6892..6954, 32677..32886, 32679..32927, 32682..32927, 32756..32929, 32863..32928, 32922..33452, 32930..33454, 32931..33452		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o7.tw	Method	TBLASTX:Wheat
Start	6210	End	33424
GI	none	Score	56
Exons	6210..6242, 6211..6261, 6211..6246, 6215..6247, 6236..6268, 6236..6268, 6268..6360, 6272..6358, 33048..33422, 33048..33422, 33049..33423, 33049..33423, 33122..33424		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o10.ts	Method	TBLASTX:Soybean
Start	6268	End	33386
GI	none	Score	96
Exons	6268..6351, 6270..6332, 6271..6333, 32809..32886, 32811..33386, 32814..33380		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o19.ts	Method	TBLASTX:Soybean
Start	6958	End	9449
GI	none	Score	140

Exons	6958..7179, 7017..7136, 7639..7776, 7641..7730, 7651..7737, 7652..7738, 8098..8259, 8103..8243, 8247..8450, 8255..8296, 8281..8496, 8281..8493, 8516..8578, 8519..8578, 8527..8583, 8605..8664, 8605..8682, 8978..9046, 8990..9049, 8992..9054, 9071..9445, 9075..9449, 9081..9185, 9101..9448		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o19.tm	Method	TBLASTX:Maize
Start	7593	End	8023
GI	none	Score	273
Exons	7593..7772, 7599..7772, 7775..7873, 7776..7889, 7862..7939, 7870..7941, 7873..7941, 7875..7961, 7898..7942, 7909..8007, 7909..8007, 7931..8008, 7934..8023, 7938..8009		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o7.tc	Method	TBLASTX:Cress
Start	8104	End	9445
GI	none	Score	341
Exons	8104..8589, 8106..8486, 8106..8594, 8107..8595, 8529..8597, 8576..8665, 8581..8664, 8993..9067, 9067..9426, 9067..9273, 9068..9445, 9072..9443		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o15.tm	Method	TBLASTX:Maize
Start	8262	End	8859
GI	none	Score	46
Exons	8262..8294, 8263..8295, 8273..8680, 8278..8682, 8281..8682, 8768..8791, 8769..8792, 8787..8834, 8788..8835, 8790..8834, 8827..8859, 8831..8851		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o2.ts	Method	TBLASTX:Soybean
Start	9453	End	10989
GI	none	Score	332
Exons	9453..9770, 9473..9778, 9999..10208, 10005..10988, 10006..10989		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o33.tc	Method	TBLASTX:Cress
Start	9465	End	9682
GI	none	Score	228
Exons	9465..9680, 9467..9682		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	9683	End	10949

GI	none	Score	91
Exons	9683..9763, 9684..9755, 9985..10785, 9999..10208, 10006..10794, 10891..10947, 10891..10947, 10899..10949		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o14.tw	Method	TBLASTX:Wheat
Start	9774	End	10200
GI	none	Score	39
Exons	9774..9800, 9775..9810, 9776..9814, 9804..9875, 9805..9924, 9820..9945, 9860..10072, 9880..10071, 9972..10073, 10075..10200, 10078..10197, 10080..10199		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o16.tm	Method	TBLASTX:Maize
Start	9826	End	10306
GI	none	Score	58
Exons	9826..9864, 9828..9872, 9861..10208, 9862..10305, 9863..10306, 9866..10306		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o31.tm	Method	TBLASTX:Maize
Start	10306	End	10474
GI	none	Score	273
Exons	10306..10473, 10307..10474, 10309..10473		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o28.tw	Method	TBLASTX:Wheat
Start	10531	End	10648
GI	none	Score	205
Exons	10531..10647, 10532..10648, 10534..10647		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o16.tw	Method	TBLASTX:Wheat
Start	10767	End	11094
GI	none	Score	377
Exons	10767..11030, 10774..11094, 10774..11094		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o28.tc	Method	TBLASTX:Cress
Start	11913	End	12250
GI	none	Score	273
Exons	11913..12158, 11916..12158, 12197..12250, 12198..12248		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-

Start	38519	End	41708
Name	OJ000350_25.0309.C8.o22.tm	Method	TBLASTX:Maize
Start	11967	End	12250
GI	none	Score	364
Exons	11967..12182, 11967..12221, 11968..12210, 12181..12237, 12182..12250, 12183..12248, 12184..12249		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o6.tw	Method	TBLASTX:Wheat
Start	12203	End	12644
GI	none	Score	669
Exons	12203..12628, 12204..12644		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o10.tc	Method	TBLASTX:Cress
Start	12289	End	12867
GI	none	Score	89
Exons	12289..12342, 12290..12346, 12291..12347, 12345..12476, 12348..12476, 12349..12477, 12350..12478, 12479..12760, 12482..12748, 12484..12756, 12484..12765, 12760..12792, 12764..12793, 12796..12867, 12800..12862		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o38.tm	Method	TBLASTX:Maize
Start	12709	End	12861
GI	none	Score	89
Exons	12709..12762, 12709..12756, 12710..12778, 12757..12816, 12763..12816, 12764..12817, 12764..12817, 12817..12861, 12820..12861		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o18.tw	Method	TBLASTX:Wheat
Start	12722	End	13123
GI	none	Score	86
Exons	12722..12796, 12723..12773, 12724..12774, 12743..12958, 12755..12958, 12952..13098, 12977..13120, 12998..13123		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o37.tm	Method	TBLASTX:Maize
Start	12915	End	13305
GI	none	Score	64
Exons	12915..12968, 12919..12975, 12920..12973, 12948..13040, 12980..13036, 13034..13075, 13047..13112, 13052..13114, 13055..13117, 13121..13198, 13122..13193, 13123..13194, 13205..13297, 13228..13305, 13230..13292		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8

Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	13382	End	40486
GI	none	Score	81
Exons	13382..13429, 13383..13430, 38608..39078, 38608..40017, 38609..40045, 38627..40039, 39573..40046, 39954..40055, 40101..40184, 40102..40185, 40123..40185, 40127..40186, 40179..40478, 40181..40486, 40184..40486		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o10.tw	Method	TBLASTX:Wheat
Start	13485	End	14081
GI	none	Score	136
Exons	13485..13613, 13489..13614, 13490..13585, 13492..13614, 13638..13679, 13672..13755, 13677..13754, 13729..13806, 13758..13805, 13758..13808, 13759..13806, 13791..13916, 13792..13917, 13796..13915, 13804..13917, 13905..14081, 13910..14080		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o12.tm	Method	TBLASTX:Maize
Start	13647	End	14390
GI	none	Score	139
Exons	13647..13805, 13672..13797, 13674..13823, 13679..13819, 13792..13878, 13793..13876, 13872..14042, 13872..14042, 13874..14044, 14059..14091, 14060..14113, 14086..14112, 14094..14123, 14109..14180, 14110..14217, 14111..14179, 14175..14390, 14177..14383, 14178..14384		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o31.tc	Method	TBLASTX:Cress
Start	13974	End	14316
GI	none	Score	74
Exons	13974..14060, 13976..14041, 14116..14181, 14119..14181, 14181..14315, 14191..14316, 14202..14312		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o25.ts	Method	TBLASTX:Soybean
Start	14116	End	14331
GI	none	Score	146
Exons	14116..14181, 14175..14324, 14175..14330, 14176..14331		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o21.tw	Method	TBLASTX:Wheat
Start	14852	End	15240
GI	none	Score	83

Exons	14852..14911, 14853..14930, 14894..14932, 14955..15203, 14959..15225, 14965..15240		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o20.tm	Method	TBLASTX:Maize
Start	14937	End	15252
GI	none	Score	380
Exons	14937..15245, 14938..15252, 14938..15252		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o23.ts	Method	TBLASTX:Soybean
Start	15011	End	16373
GI	none	Score	168
Exons	15011..15118, 15013..15165, 15013..15165, 15584..15724, 15591..15800, 15594..15800, 15595..15813, 16063..16134, 16065..16127, 16071..16115, 16122..16184, 16194..16364, 16196..16360, 16196..16369, 16212..16373		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o34.tc	Method	TBLASTX:Cress
Start	15014	End	15174
GI	none	Score	165
Exons	15014..15118, 15016..15165, 15016..15174		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o24.tm	Method	TBLASTX:Maize
Start	15425	End	15771
GI	none	Score	94
Exons	15425..15493, 15435..15518, 15525..15593, 15536..15592, 15583..15771, 15585..15770		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o29.tc	Method	TBLASTX:Cress
Start	15588	End	16516
GI	none	Score	75
Exons	15588..15662, 15598..15801, 15600..15800, 16068..16115, 16092..16184, 16196..16360, 16196..16360, 16212..16373, 16418..16516		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o17.ts	Method	TBLASTX:Soybean
Start	16409	End	39410
GI	none	Score	178
Exons	16409..16495, 39008..39130, 39009..39131, 39143..39256, 39143..39256, 39226..39408, 39255..39410, 39257..39409		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o32.tc	Method	TBLASTX:Cress
Start	17115	End	17692
GI	none	Score	37
Exons	17115..17144, 17181..17216, 17184..17213, 17206..17265, 17219..17266, 17302..17388, 17303..17377, 17394..17492, 17395..17538, 17477..17539, 17575..17619, 17578..17619, 17648..17692		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o20.ts	Method	TBLASTX:Soybean
Start	17211	End	18260
GI	none	Score	73
Exons	17211..17261, 17219..17269, 17295..17336, 17299..17376, 17300..17326, 17338..17382, 17372..17440, 17393..17437, 17394..17447, 17437..17502, 17443..17535, 17444..17536, 17477..17548, 17631..17696, 17638..17691, 17744..17905, 17747..17923, 17772..17906, 17908..17952, 17926..17952, 18103..18258, 18103..18258, 18111..18260, 18113..18259		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o33.tm	Method	TBLASTX:Maize
Start	17602	End	17790
GI	none	Score	62
Exons	17602..17628, 17604..17630, 17632..17790, 17634..17789		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o4.tm	Method	TBLASTX:Maize
Start	17791	End	38607
GI	none	Score	230
Exons	17791..17919, 17792..17923, 17792..17923, 17793..17924, 17911..17955, 17917..17955, 17956..17979, 17957..17983, 17957..17983, 17986..18795, 17991..18797, 17992..18774, 38252..38569, 38253..38606, 38255..38605, 38299..38607		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o16.ts	Method	TBLASTX:Soybean
Start	18262	End	18752
GI	none	Score	374
Exons	18262..18690, 18272..18691, 18273..18710, 18519..18710, 18729..18752		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o15.tc	Method	TBLASTX:Cress

Start	18280	End	18710
GI	none	Score	351
Exons	18280..18690, 18281..18691, 18324..18710		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o21.tm	Method	TBLASTX:Maize
Start	19008	End	19298
GI	none	Score	167
Exons	19008..19124, 19008..19124, 19009..19128, 19115..19297, 19128..19298		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o36.tc	Method	TBLASTX:Cress
Start	19177	End	19456
GI	none	Score	166
Exons	19177..19449, 19190..19456		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o8.tc	Method	TBLASTX:Cress
Start	19626	End	20183
GI	none	Score	90
Exons	19626..19757, 19633..19779, 19634..19801, 19639..19758, 19640..19780, 19763..19840, 19775..20179, 19778..20179, 19819..20175, 19968..20183		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o5.tw	Method	TBLASTX:Wheat
Start	19741	End	20170
GI	none	Score	691
Exons	19741..19785, 19742..20170, 19742..20170		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o34.tm	Method	TBLASTX:Maize
Start	19778	End	19987
GI	none	Score	221
Exons	19778..19918, 19779..19916, 19922..19987		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o12.ts	Method	TBLASTX:Soybean
Start	19850	End	20294
GI	none	Score	694
Exons	19850..20290, 19851..20156, 19852..20289, 20193..20294		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-

Start	38519	End	41708
Name	OJ000350_25.0309.C8.o18.tm	Method	TBLASTX:Maize
Start	19990	End	20304
GI	none	Score	567
Exons	19990..20304, 19991..20302		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o9.tc	Method	TBLASTX:Cress
Start	20185	End	20593
GI	none	Score	686
Exons	20185..20373, 20186..20593, 20186..20593		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o4.tc	Method	TBLASTX:Cress
Start	20678	End	23325
GI	none	Score	75
Exons	20678..20761, 20681..20758, 20683..20763, 20795..20875, 20795..20875, 20874..20996, 20875..20967, 21028..21225, 21032..21235, 21032..21229, 21236..21262, 21237..21275, 21269..21442, 21273..21374, 21274..21504, 21275..21517, 21482..21508, 21588..21614, 22445..22939, 22448..23095, 22450..23112, 22456..23094, 22979..23095, 23148..23219, 23150..23218, 23153..23227, 23271..23324, 23271..23324, 23287..23325		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o15.ts	Method	TBLASTX:Soybean
Start	20964	End	21640
GI	none	Score	228
Exons	20964..20990, 21001..21180, 21023..21181, 21029..21181, 21217..21276, 21228..21266, 21269..21442, 21274..21504, 21274..21504, 21281..21517, 21482..21508, 21589..21639, 21590..21640		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o9.tm	Method	TBLASTX:Maize
Start	21047	End	21811
GI	none	Score	785
Exons	21047..21553, 21047..21442, 21198..21560, 21271..21558, 21459..21569, 21538..21615, 21549..21614, 21549..21620, 21590..21619, 21607..21657, 21607..21657, 21608..21658, 21648..21779, 21659..21691, 21663..21743, 21737..21778, 21745..21780, 21772..21807, 21785..21811		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o26.tw	Method	TBLASTX:Wheat
Start	21129	End	21378

GI	none	Score	62
Exons	21129..21161, 21129..21296, 21131..21298, 21297..21365, 21298..21366, 21298..21378, 21299..21367		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o4.ts	Method	TBLASTX:Soybean
Start	21941	End	23187
GI	none	Score	57
Exons	21941..21985, 21987..22040, 21989..22039, 22047..22085, 22049..22081, 22366..22410, 22367..22429, 22367..22426, 22406..23122, 22418..22939, 22456..23121, 22988..23122, 23151..23180, 23152..23187		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o11.tm	Method	TBLASTX:Maize
Start	22451	End	23095
GI	none	Score	967
Exons	22451..23095, 22454..22921, 22513..23094		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o29.tm	Method	TBLASTX:Maize
Start	23261	End	23501
GI	none	Score	290
Exons	23261..23455, 23262..23453, 23457..23501, 23458..23499		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o7.ts	Method	TBLASTX:Soybean
Start	23410	End	24972
GI	none	Score	75
Exons	23410..23502, 23410..23529, 23505..23651, 23561..23650, 23667..23693, 23770..23817, 23776..23817, 23929..24384, 23947..24516, 23954..24493, 23954..24520, 23964..24518, 24424..24522, 24541..24621, 24564..24620, 24775..24948, 24776..24952, 24778..24972		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o23.tc	Method	TBLASTX:Cress
Start	23947	End	24193
GI	none	Score	367
Exons	23947..24192, 23960..24193		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o27.tc	Method	TBLASTX:Cress
Start	24194	End	24399
GI	none	Score	316

Exons	24194..24397, 24196..24399		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o30.tc	Method	TBLASTX:Cress
Start	24799	End	25241
GI	none	Score	36
Exons	24799..24864, 24850..24888, 24855..24893, 24905..24949, 24992..25228, 25001..25228, 25047..25241, 25099..25230, 25110..25241		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o6.ts	Method	TBLASTX:Soybean
Start	24992	End	25756
GI	none	Score	523
Exons	24992..25702, 24992..25756, 24999..25727, 25063..25749		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o14.tm	Method	TBLASTX:Maize
Start	25190	End	25664
GI	none	Score	662
Exons	25190..25663, 25191..25664		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o14.tc	Method	TBLASTX:Cress
Start	25484	End	26071
GI	none	Score	295
Exons	25484..25756, 25488..25727, 25739..25798, 25771..25815, 25771..25815, 25798..25971, 25804..25938, 25812..25973, 25812..25982, 25841..25996, 25973..26071, 25974..26069, 25975..26070		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o36.tm	Method	TBLASTX:Maize
Start	25672	End	25934
GI	none	Score	51
Exons	25672..25746, 25691..25750, 25692..25730, 25693..25746, 25800..25928, 25813..25929, 25813..25929, 25815..25934, 25841..25933		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o23.tm	Method	TBLASTX:Maize
Start	25951	End	26238
GI	none	Score	188
Exons	25951..26064, 25952..26068, 25952..26068, 26066..26236, 26067..26237, 26068..26238, 26069..26236		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o26.ts	Method	TBLASTX:Soybean
Start	26026	End	26278
GI	none	Score	91
Exons	26026..26118, 26026..26196, 26027..26197, 26036..26197, 26177..26278, 26178..26270, 26182..26271		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	26239	End	27756
GI	none	Score	38
Exons	26239..26271, 26240..26290, 26263..26346, 26283..26345, 26295..26372, 26302..26373, 26357..26374, 26391..26630, 26394..26615, 26413..26631, 26637..26915, 26638..26916, 26654..26917, 26658..26918, 26666..26716, 26690..26968, 26701..26979, 26923..26964, 26924..26962, 26926..27006, 27014..27058, 27019..27072, 27021..27071, 27090..27173, 27091..27738, 27091..27621, 27110..27754, 27321..27755, 27694..27756		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o27.ts	Method	TBLASTX:Soybean
Start	26723	End	26912
GI	none	Score	174
Exons	26723..26908, 26724..26912		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o8.tw	Method	TBLASTX:Wheat
Start	27014	End	27472
GI	none	Score	45
Exons	27014..27058, 27020..27058, 27021..27071, 27069..27089, 27091..27465, 27110..27463, 27110..27472, 27195..27464		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o16.tc	Method	TBLASTX:Cress
Start	27103	End	27623
GI	none	Score	156
Exons	27103..27315, 27106..27276, 27110..27307, 27310..27519, 27323..27517, 27332..27526, 27337..27525, 27541..27582, 27542..27574, 27585..27623		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o3.ts	Method	TBLASTX:Soybean
Start	27103	End	32808

GI none Score 158
Exons 27103..27267, 27103..27315, 27110..27319, 27110..27337, 27310..27516, 27326..27517, 27330..27638, 27332..27553, 27551..27577, 27594..27659, 27645..27947, 27656..27946, 27765..27959, 27935..28036, 27942..28061, 28122..28355, 28138..28500, 28138..28533, 28152..28541, 28157..28543, 28404..28538, 29766..29906, 29767..30147, 29768..30136, 30151..30258, 30322..30471, 30322..30471, 30323..30481, 30381..30476, 30466..30495, 31076..31228, 31080..31313, 31090..31314, 31318..31344, 31319..31342, 31539..31883, 31592..31882, 31593..31922, 31648..31887, 31828..32037, 31855..32052, 31955..32053, 32024..32170, 32039..32137, 32129..32173, 32131..32172, 32132..32173, 32173..32352, 32175..32351, 32176..32403, 32357..32434, 32358..32435, 32413..32808, 32427..32720

Seq. No. 44099 Seq. ID OJ000350_25.0309.C8
Gene No. 92785 Strand -
Start 38519 End 41708
Name OJ000350_25.0309.C8.o19.tw Method TBLASTX:Wheat
Start 27544 End 27908
GI none Score 60
Exons 27544..27579, 27544..27579, 27553..27621, 27563..27619, 27565..27621, 27630..27908, 27630..27905, 27647..27907

Seq. No. 44099 Seq. ID OJ000350_25.0309.C8
Gene No. 92785 Strand -
Start 38519 End 41708
Name OJ000350_25.0309.C8.o21.tc Method TBLASTX:Cress
Start 27649 End 28036
GI none Score 114
Exons 27649..27849, 27650..27853, 27657..27854, 27854..27901, 27854..27946, 27855..27947, 27922..27954, 27935..28036, 27942..28034

Seq. No. 44099 Seq. ID OJ000350_25.0309.C8
Gene No. 92785 Strand -
Start 38519 End 41708
Name OJ000350_25.0309.C8.o10.tm Method TBLASTX:Maize
Start 27797 End 29636
GI none Score 75
Exons 27797..27841, 27798..27842, 27842..28543, 27843..28538, 29580..29636

Seq. No. 44099 Seq. ID OJ000350_25.0309.C8
Gene No. 92785 Strand -
Start 38519 End 41708
Name OJ000350_25.0309.C8.o13.tw Method TBLASTX:Wheat
Start 28061 End 28452
GI none Score 80
Exons 28061..28114, 28063..28113, 28065..28118, 28068..28451, 28069..28452

Seq. No. 44099 Seq. ID OJ000350_25.0309.C8
Gene No. 92785 Strand -
Start 38519 End 41708
Name OJ000350_25.0309.C8.o17.tc Method TBLASTX:Cress

Start	28070	End	28543
GI	none	Score	48
Exons	28070..28102, 28176..28241, 28221..28541, 28222..28497, 28232..28543, 28236..28535		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o23.tw	Method	TBLASTX:Wheat
Start	28484	End	36635
GI	none	Score	131
Exons	28484..28558, 28485..28559, 28529..28654, 28555..28659, 28559..28654, 28564..28689, 28673..28696, 28675..28698, 28697..28744, 28729..28809, 28740..28802, 28856..28888, 28857..28889, 36549..36635		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o27.tm	Method	TBLASTX:Maize
Start	28853	End	29176
GI	none	Score	352
Exons	28853..29101, 28854..29102, 28861..29172, 28864..29157, 29108..29176		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o19.tc	Method	TBLASTX:Cress
Start	28892	End	30126
GI	none	Score	49
Exons	28892..28933, 28900..28920, 28952..29014, 28970..29014, 29007..29096, 29008..29097, 29011..29103, 29224..29250, 29246..29290, 29399..29461, 29572..29613, 29583..29630, 29703..29945, 29710..30081, 29752..30126, 29753..30109		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o11.tw	Method	TBLASTX:Wheat
Start	28976	End	29610
GI	none	Score	202
Exons	28976..29134, 28977..29126, 28978..29154, 29101..29187, 29102..29188, 29111..29185, 29173..29286, 29182..29289, 29189..29290, 29296..29505, 29302..29415, 29304..29483, 29363..29533, 29373..29543, 29387..29533, 29563..29610, 29577..29609		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o28.tm	Method	TBLASTX:Maize
Start	29217	End	29540
GI	none	Score	59
Exons	29217..29246, 29218..29253, 29218..29250, 29243..29284, 29243..29290, 29248..29505, 29248..29418, 29375..29533, 29376..29483, 29379..29540, 29387..29521, 29473..29532		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	29680	End	31442
GI	none	Score	37
Exons	29680..29712, 29689..30261, 29691..29909, 29704..30102, 29711..30259, 30154..30261, 30214..30492, 30256..30495, 30263..30493, 30475..30933, 30487..30933, 30506..30934, 30881..30994, 30925..30999, 30942..30998, 30944..31048, 31013..31231, 31032..31346, 31041..31310, 31048..31347, 31277..31351, 31283..31351, 31312..31401, 31338..31397, 31340..31441, 31353..31442		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	30162	End	30931
GI	none	Score	137
Exons	30162..30257, 30163..30495, 30163..30492, 30526..30924, 30532..30927, 30533..30931		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o20.tc	Method	TBLASTX:Cress
Start	30358	End	30873
GI	none	Score	129
Exons	30358..30468, 30365..30469, 30372..30470, 30519..30626, 30541..30837, 30550..30873		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o24.ts	Method	TBLASTX:Soybean
Start	30548	End	30876
GI	none	Score	137
Exons	30548..30838, 30550..30876, 30562..30843		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o12.tc	Method	TBLASTX:Cress
Start	31215	End	321
GI	none	Score	2
Exons	31215..31313, 31218..31307, 31453..31503, 31454..31504, 31454..31531, 31455..31511, 31456..31521, 31505..31534, 31505..31534, 31591..31758, 31592..31759, 31593..31760, 31593..31763, 31648..31764, 31774..32022, 31778..32017, 31786..32103, 31955..32023		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o6.tm	Method	TBLASTX:Maize

Start	31624	End	32453
GI	none	Score	1254
Exons	31624..32445, 31625..32446, 31648..32448, 32082..32453		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o15.tw	Method	TBLASTX:Wheat
Start	31764	End	32071
GI	none	Score	365
Exons	31764..32039, 31765..32070, 31765..32070, 31955..32071		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o27.tw	Method	TBLASTX:Wheat
Start	33425	End	33652
GI	none	Score	104
Exons	33425..33484, 33427..33483, 33491..33652, 33506..33652		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o25.tc	Method	TBLASTX:Cress
Start	33806	End	34214
GI	none	Score	61
Exons	33806..33850, 33837..33998, 33850..33999, 33851..34000, 33852..33998, 33985..34080, 33995..34081, 33995..34108, 33996..34082, 34083..34214, 34085..34165, 34092..34172		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o28.ts	Method	TBLASTX:Soybean
Start	34162	End	34341
GI	none	Score	52
Exons	34162..34191, 34164..34187, 34197..34337, 34200..34337, 34201..34341		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o17.tw	Method	TBLASTX:Wheat
Start	35510	End	35995
GI	none	Score	92
Exons	35510..35587, 35510..35587, 35589..35645, 35589..35645, 35620..35700, 35625..35702, 35627..35704, 35636..35698, 35652..35717, 35662..35703, 35662..35730, 35663..35704, 35690..35710, 35715..35765, 35715..35756, 35716..35808, 35716..35766, 35755..35994, 35762..35995, 35762..35995		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o13.ts	Method	TBLASTX:Soybean
Start	35791	End	36284
GI	none	Score	684

Exons	35791..36282, 35801..36199, 35803..36282, 35949..36284, 36162..36284		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o21.ts	Method	TBLASTX:Soybean
Start	37490	End	37716
GI	none	Score	347
Exons	37490..37714, 37492..37716, 37492..37716		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o14.ts	Method	TBLASTX:Soybean
Start	37717	End	38169
GI	none	Score	448
Exons	37717..38034, 37717..38034, 37721..38035, 38022..38099, 38022..38096, 38039..38098, 38052..38168, 38054..38167, 38083..38169		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o9.ts	Method	TBLASTX:Soybean
Start	38282	End	39006
GI	none	Score	59
Exons	38282..38329, 38285..38326, 38325..38555, 38329..38574, 38330..38569, 38580..38888, 38581..38826, 38627..38827, 38843..38887, 38879..39001, 38881..39006, 38881..39006		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o13.tc	Method	TBLASTX:Cress
Start	38294	End	38816
GI	none	Score	47
Exons	38294..38329, 38297..38326, 38325..38555, 38329..38574, 38330..38557, 38331..38582, 38579..38701, 38580..38693, 38581..38715, 38581..38715, 38693..38719, 38709..38816, 38711..38803		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o21.gp	Method	AAT/GAP
Start	38519	End	40488
GI	183_5.R1084	Score	2766
Exons	38519..38903, 39444..40488		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8

Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o25.tw	Method	TBLASTX:Wheat
Start	38683	End	38902
GI	none	Score	99
Exons	38683..38793, 38686..38766, 38687..38770, 38750..38881, 38752..38865, 38869..38901, 38870..38902		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o35.tc	Method	TBLASTX:Cress
Start	38863	End	39023
GI	none	Score	194
Exons	38863..39018, 38874..38984, 38881..39018, 38882..39022, 38883..39023		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o9.tw	Method	TBLASTX:Wheat
Start	39278	End	39688
GI	none	Score	42
Exons	39278..39337, 39329..39688, 39344..39685		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o6.tc	Method	TBLASTX:Cress
Start	39297	End	40046
GI	none	Score	365
Exons	39297..39518, 39298..39819, 39299..39775, 39299..39820, 39770..39886, 39774..39887, 39775..39801, 39778..39894, 39779..39895, 39831..39899, 39863..39937, 39868..39969, 39901..39948, 39938..40012, 39954..40022, 39964..40008, 39998..40039, 40004..40045, 40026..40046		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o18.ts	Method	TBLASTX:Soybean
Start	39568	End	40681
GI	none	Score	308
Exons	39568..39768, 39569..39775, 39569..39769, 39752..39874, 39784..39879, 39785..39874, 39831..39881, 39838..39885, 39901..39936, 39905..39937, 39937..39978, 39944..39979, 39967..40029, 40102..40167, 40104..40169, 40162..40188, 40163..40189, 40196..40300, 40223..40300, 40308..40400, 40327..40383, 40415..40453, 40514..40672, 40515..40670, 40516..40680, 40541..40681		

Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o38.tc	Method	TBLASTX:Cress
Start	40106	End	40327
GI	none	Score	40

Exons	40106..40141, 40131..40172, 40143..40175, 40165..40302, 40166..40309, 40167..40298, 40168..40299, 40304..40327		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o5.tc	Method	TBLASTX:Cress
Start	40328	End	41708
GI	none	Score	110
Exons	40328..40423, 40328..40414, 40421..40447, 40421..40447, 40423..40452, 40514..40660, 40521..40652, 40555..40653, 40617..40688, 40707..40784, 40708..40788, 40708..40788, 40709..40789, 40781..40852, 40784..40852, 40785..40853, 40808..40915, 40854..40916, 40912..41043, 40932..41048, 40934..41041, 40938..41096, 40988..41095, 41056..41100, 41114..41161, 41115..41291, 41116..41298, 41199..41300, 41201..41299, 41325..41384, 41327..41386, 41338..41391, 41393..41509, 41394..41477, 41395..41511, 41479..41604, 41488..41595, 41507..41602, 41517..41609, 41603..41629, 41603..41629, 41607..41642, 41631..41708, 41633..41707		
Seq. No.	44099	Seq. ID	OJ000350_25.0309.C8
Gene No.	92785	Strand	-
Start	38519	End	41708
Name	OJ000350_25.0309.C8.o24.tw	Method	TBLASTX:Wheat
Start	41413	End	41708
GI	none	Score	76
Exons	41413..41508, 41413..41490, 41479..41550, 41488..41550, 41507..41551, 41520..41561, 41524..41610, 41546..41611, 41597..41674, 41614..41670, 41615..41671, 41673..41708, 41675..41707		
Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92786	Strand	+
Start	114	End	589
Name	OJ000350_25.0309.C9.o1.gp	Method	AAT/GAP
Start	114	End	589
GI	uC-osflcyp097b05b1	Score	809
Exons	114..589		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		
Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92787	Strand	+
Start	862	End	1331
Name	OJ000350_25.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	39	End	1065
GI	none	Score	52
Exons	39..86, 40..87, 72..317, 79..315, 554..745, 554..745, 556..750, 738..818, 752..814, 755..835, 764..1063, 793..1065, 793..1065		
Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9

Gene No.	92787	Strand	+
Start	862	End	1331
Name	OJ000350_25.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	39	End	899
GI	none	Score	123
Exons	39..71, 69..149, 72..149, 73..150, 551..646, 553..645, 634..720, 637..699, 650..721, 750..803, 752..799, 773..814, 775..819, 805..834, 812..898, 814..897, 852..899		

Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92787	Strand	+
Start	862	End	1331
Name	OJ000350_25.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	71	End	866
GI	none	Score	55
Exons	71..118, 74..118, 509..553, 526..549, 528..551, 543..644, 551..646, 552..644, 634..699, 637..699, 650..703, 781..816, 782..817, 820..864, 822..866, 827..865		

Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92787	Strand	+
Start	862	End	1331
Name	OJ000350_25.0309.C9.o2.gp	Method	AAT/GAP
Start	862	End	1331
GI	uC-osf1cyp097b05b1	Score	907
Exons	862..1331		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92788	Strand	
Start	1277	End	1521
Name	OJ000350_25.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	1277	End	1521
GI	none	Score	199
Exons	1277..1408, 1277..1414, 1398..1448, 1398..1454, 1399..1452, 1460..1519, 1461..1520, 1461..1520, 1462..1521		

Seq. No.	44100	Seq. ID	OJ000350_25.0309.C9
Gene No.	92789	Strand	
Start	1540	End	1927
Name	OJ000350_25.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	1540	End	1927
GI	none	Score	80
Exons	1540..1569, 1568..1657, 1570..1659, 1571..1660, 1635..1925, 1656..1925, 1660..1926, 1661..1927		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92792	Strand	
Start	1	End	149
Name	OJ000350_25.0309.C15.o3.tm	Method	TBLASTX:Maize
Start	1	End	149

GI	none	Score	70
Exons	1..57, 11..76, 12..68, 37..147, 42..149, 51..149		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92793	Strand	
Start	142	End	422
Name	OJ000350_25.0309.C15.o1.tc	Method	TBLASTX:Cress
Start	142	End	422
GI	none	Score	215
Exons	142..285, 155..298, 155..298, 396..422, 396..422		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92793	Strand	
Start	142	End	422
Name	OJ000350_25.0309.C15.o1.ts	Method	TBLASTX:Soybean
Start	156	End	422
GI	none	Score	113
Exons	156..284, 157..282, 158..286, 327..422		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92794	Strand	
Start	494	End	1164
Name	OJ000350_25.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	494	End	922
GI	none	Score	95
Exons	494..559, 495..560, 496..561, 545..604, 546..602, 550..624, 551..655, 630..659, 660..776, 661..798, 678..800, 756..818, 756..818, 757..819, 825..920, 825..905, 827..922, 827..922		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92794	Strand	
Start	494	End	1164
Name	OJ000350_25.0309.C15.o1.tw	Method	TBLASTX:Wheat
Start	599	End	1154
GI	none	Score	57
Exons	599..658, 630..659, 648..740, 653..739, 661..741, 661..744, 715..786, 733..774, 735..824, 735..785, 744..818, 760..831, 823..948, 825..938, 917..1111, 935..1075, 964..1086, 1035..1121, 1080..1154, 1081..1149		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92794	Strand	
Start	494	End	1164
Name	OJ000350_25.0309.C15.o2.tm	Method	TBLASTX:Maize
Start	924	End	1164
GI	none	Score	181
Exons	924..1061, 935..1060, 935..1063, 1065..1109, 1068..1121, 1070..1111, 1099..1164, 1101..1154		

Seq. No.	44101	Seq. ID	OJ000350_25.0309.C15
Gene No.	92795	Strand	
Start	1155	End	1435
Name	OJ000350_25.0309.C15.o2.tw	Method	TBLASTX:Wheat
Start	1155	End	1435
GI	none	Score	44
Exons	1155..1187, 1158..1205, 1163..1204, 1177..1206, 1197..1253, 1207..1254, 1211..1255, 1212..1256, 1243..1269, 1248..1283,		

1254..1376, 1255..1380, 1255..1377, 1256..1381, 1379..1396, 1407..1433, 1412..1435

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92796	Strand	+
Start	1217	End	1667
Name	OJ000350_25.0309.C17.o1.gp	Method	AAT/GAP
Start	1217	End	1667
GI	uC-osflcyp086a01b1	Score	902
Exons	1217..1667		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92797	Strand	+
Start	1748	End	2993
Name	OJ000350_25.0309.C17.o2.gp	Method	AAT/GAP
Start	1748	End	2993
GI	uC-osflcyp086a01a1	Score	842
Exons	1748..1992, 2803..2993		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92798	Strand	+
Start	3587	End	3855
Name	OJ000350_25.0309.C17.o3.gp	Method	AAT/GAP
Start	3587	End	3855
GI	40596_1.R1084	Score	450
Exons	3587..3855		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92799	Strand	+
Start	6299	End	6751
Name	OJ000350_25.0309.C17.o4.gp	Method	AAT/GAP
Start	6299	End	6751
GI	24570_1.R1084	Score	887
Exons	6299..6751		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92800	Strand	+
Start	7114	End	7477
Name	OJ000350_25.0309.C17.o5.gp	Method	AAT/GAP
Start	7114	End	7477
GI	5455469	Score	666
Exons	7114..7477		

GI Descrip. 131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	132	End	698
GI	none	Score	56
Exons	132..173, 134..184, 134..184, 234..425, 238..552, 239..547,	170..232, 170..235, 172..234, 541..690, 545..691, 570..698	

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o5.tc	Method	TBLASTX:Cress
Start	262	End	494
GI	none	Score	156
Exons	262..480, 263..487, 263..478,	282..494	

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o6.ts	Method	TBLASTX:Soybean
Start	269	End	520
GI	none	Score	223
Exons	269..520, 285..491, 286..498		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o3.tw	Method	TBLASTX:Wheat
Start	389	End	662
GI	none	Score	368
Exons	389..661, 390..662		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o3.tm	Method	TBLASTX:Maize
Start	1768	End	2396
GI	none	Score	64
Exons	1768..1812, 1771..1818, 1813..1845, 1815..1856, 1845..1871, 1866..2120, 1874..2134, 1888..2124, 1895..2146, 2108..2242, 2119..2256, 2122..2289, 2166..2309, 2260..2292, 2301..2396, 2312..2395		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o4.ts	Method	TBLASTX:Soybean
Start	1857	End	2999

GI	none	Score	38
Exons	1857..1898, 1880..1900, 1925..2014, 1940..2014, 2006..2056, 2011..2070, 2045..2098, 2045..2107, 2118..2156, 2120..2158, 2161..2262, 2176..2283, 2401..2433, 2436..2486, 2437..2478, 2484..2531, 2691..2789, 2701..2793, 2727..2798, 2760..2999, 2769..2975, 2771..2998		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o6.tc	Method	TBLASTX:Cress
Start	2737	End	2925
GI	none	Score	230
Exons	2737..2832, 2738..2923, 2745..2924, 2872..2925		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o7.tm	Method	TBLASTX:Maize
Start	3228	End	3602
GI	none	Score	65
Exons	3228..3281, 3278..3373, 3278..3337, 3279..3374, 3286..3384, 3364..3408, 3402..3482, 3406..3483, 3407..3466, 3456..3494, 3467..3505, 3470..3508, 3497..3562, 3522..3563, 3559..3600, 3560..3601, 3561..3602		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o4.tc	Method	TBLASTX:Cress
Start	3568	End	4115
GI	none	Score	157
Exons	3568..3717, 3576..3719, 3577..3717, 3706..3747, 3708..3746, 3772..3816, 3798..3911, 3823..3915, 3835..3921, 3839..3922, 3839..3931, 4015..4050, 4016..4060, 4020..4061, 4023..4061, 4062..4103, 4063..4110, 4065..4115		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o6.tm	Method	TBLASTX:Maize
Start	3603	End	3863
GI	none	Score	209
Exons	3603..3755, 3603..3803, 3604..3783, 3748..3843, 3774..3851, 3840..3863		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o8.tm	Method	TBLASTX:Maize
Start	4011	End	4244
GI	none	Score	114
Exons	4011..4094, 4018..4092, 4072..4116, 4090..4116, 4092..4187, 4099..4191, 4103..4192, 4211..4243, 4212..4244, 4212..4244		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+

Start	7504	End	7724
Name	OJ000350_25.0309.C17.o2.ts	Method	TBLASTX:Soybean
Start	4303	End	4849
GI	none	Score	60
Exons	4303..4434, 4446..4556, 4449..4580, 4450..4557, 4451..4582, 4571..4645, 4585..4638, 4652..4849, 4659..4835, 4673..4840		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o7.tc	Method	TBLASTX:Cress
Start	4303	End	4656
GI	none	Score	116
Exons	4303..4416, 4304..4417, 4305..4418, 4446..4556, 4448..4555, 4451..4603, 4453..4575, 4577..4645, 4591..4656		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o3.tc	Method	TBLASTX:Cress
Start	4662	End	5143
GI	none	Score	62
Exons	4662..4733, 4662..4841, 4663..4854, 4667..4906, 4676..4909, 4924..4983, 4925..4990, 4925..4993, 4981..5142, 4988..5143		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	4724	End	5104
GI	none	Score	590
Exons	4724..5104, 4724..5101, 4825..5103		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o3.ts	Method	TBLASTX:Soybean
Start	4872	End	5319
GI	none	Score	43
Exons	4872..4928, 4878..5021, 4911..5048, 4912..5055, 4919..5065, 5059..5178, 5070..5318, 5108..5317, 5134..5319, 5230..5319		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o4.tm	Method	TBLASTX:Maize
Start	5272	End	5538
GI	none	Score	415
Exons	5272..5538, 5273..5536		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o2.tw	Method	TBLASTX:Wheat
Start	5370	End	5758
GI	none	Score	46
Exons	5370..5396, 5371..5397, 5392..5757, 5392..5736, 5393..5758		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o5.ts	Method	TBLASTX:Soybean
Start	5457	End	5838
GI	none	Score	109
Exons	5457..5582, 5464..5589, 5468..5584, 5576..5722, 5578..5718, 5689..5742, 5693..5746, 5749..5826, 5775..5822, 5785..5838		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	6295	End	6610
GI	none	Score	169
Exons	6295..6474, 6305..6610, 6306..6608, 6314..6610		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o2.tm	Method	TBLASTX:Maize
Start	6295	End	6789
GI	none	Score	524
Exons	6295..6612, 6300..6614, 6302..6613, 6314..6646, 6614..6751, 6615..6755, 6615..6749, 6616..6783, 6616..6750, 6741..6788, 6753..6788, 6754..6789		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	6313	End	6984
GI	none	Score	44
Exons	6313..6354, 6319..6354, 6351..6614, 6353..6613, 6359..6646, 6614..6751, 6615..6749, 6616..6750, 6617..6760, 6748..6981, 6751..6984		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o4.tw	Method	TBLASTX:Wheat
Start	6892	End	7266
GI	none	Score	110
Exons	6892..7038, 7150..7266		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o2.tc	Method	TBLASTX:Cress
Start	7072	End	7440
GI	none	Score	579
Exons	7072..7440, 7072..7422		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724

Name	OJ000350_25.0309.C17.o6.gp	Method	AAT/GAP
Start	7504	End	7724
GI	3073_1.R1084	Score	398
Exons	7504..7724		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o5.tm	Method	TBLASTX:Maize
Start	7517	End	7724
GI	none	Score	310
Exons	7517..7723, 7536..7724, 7545..7724		

Seq. No.	44102	Seq. ID	OJ000350_25.0309.C17
Gene No.	92801	Strand	+
Start	7504	End	7724
Name	OJ000350_25.0309.C17.o7.ts	Method	TBLASTX:Soybean
Start	7584	End	7724
GI	none	Score	147
Exons	7584..7724, 7594..7722, 7611..7724		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92809	Strand	+
Start	1247	End	2573
Name	OJ000350_25.0309.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	777
GI	none	Score	364
Exons	1..255, 5..256, 135..260, 257..379, 258..359, 259..387, 291..398, 293..388, 394..777, 399..704, 446..775		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92809	Strand	+
Start	1247	End	2573
Name	OJ000350_25.0309.C22.o1.tc	Method	TBLASTX:Cress
Start	169	End	2573
GI	none	Score	151
Exons	169..255, 170..256, 257..379, 258..311, 259..390, 291..392, 293..388, 394..852, 446..853, 648..872, 1840..1920, 1842..2186, 1848..2186, 1850..2188, 1975..2193, 2145..2342, 2180..2380, 2186..2377, 2398..2571, 2445..2573, 2454..2573		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92809	Strand	+
Start	1247	End	2573
Name	OJ000350_25.0309.C22.o2.ts	Method	TBLASTX:Soybean
Start	855	End	2385
GI	none	Score	40
Exons	855..977, 928..978, 963..1025, 986..1024, 1073..1108, 1078..1110, 1142..1210, 1161..1223, 1176..1208, 1302..1385, 1304..1372, 1305..1379, 1543..1581, 1597..1632, 1633..1668, 1743..2342, 1748..1807, 1749..2360, 1763..2383, 1841..2383, 1963..2385		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92809	Strand	+
Start	1247	End	2573
Name	OJ000350_25.0309.C22.o1.gp	Method	AAT/GAP
Start	1247	End	1449
GI	6012822	Score	337
Exons	1247..1449		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92810	Strand	
Start	2478	End	2673
Name	OJ000350_25.0309.C22.o8.ts	Method	TBLASTX:Soybean
Start	2478	End	2673
GI	none	Score	177
Exons	2478..2672, 2484..2672, 2485..2673		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	2656	End	4947
GI	none	Score	67
Exons	2656..2709, 4500..4916, 4500..4916, 4501..4917, 4888..4947		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o5.ts	Method	TBLASTX:Soybean
Start	2675	End	2925
GI	none	Score	125
Exons	2675..2800, 2676..2798, 2676..2801, 2677..2799, 2792..2914, 2792..2923, 2800..2925, 2800..2925		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o6.ts	Method	TBLASTX:Soybean
Start	3384	End	3645
GI	none	Score	135
Exons	3384..3479, 3386..3478, 3462..3644, 3476..3643, 3483..3644, 3484..3645		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o7.tc	Method	TBLASTX:Cress
Start	3593	End	3818
GI	none	Score	218
Exons	3593..3790, 3594..3797, 3594..3818		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o4.ts	Method	TBLASTX:Soybean
Start	3753	End	5254

GI	none	Score	209
Exons	3753..3824, 3954..4187, 3963..4286, 3964..4305, 3965..4306, 4563..4598, 4625..4678, 4631..4675, 4716..5018, 4738..5019, 4751..5029, 5067..5111, 5071..5112, 5111..5254, 5112..5237, 5114..5248		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o5.tc	Method	TBLASTX:Cress
Start	3963	End	4288
GI	none	Score	210
Exons	3963..4193, 3963..4187, 3964..4287, 3965..4288		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o1.tw	Method	TBLASTX:Wheat
Start	4494	End	4730
GI	none	Score	78
Exons	4494..4541, 4495..4545, 4495..4545, 4541..4630, 4549..4620, 4629..4676, 4632..4682, 4633..4686, 4634..4687, 4686..4730, 4686..4730		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92811	Strand	
Start	2656	End	5254
Name	OJ000350_25.0309.C22.o3.tc	Method	TBLASTX:Cress
Start	4737	End	5254
GI	none	Score	213
Exons	4737..4940, 4737..4940, 4738..4941, 4935..5024, 4936..5013, 5094..5111, 5111..5254, 5112..5252		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92812	Strand	
Start	5255	End	5561
Name	OJ000350_25.0309.C22.o7.ts	Method	TBLASTX:Soybean
Start	5255	End	5530
GI	none	Score	270
Exons	5255..5530, 5262..5498, 5434..5529		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92812	Strand	
Start	5255	End	5561
Name	OJ000350_25.0309.C22.o6.tc	Method	TBLASTX:Cress
Start	5280	End	5561
GI	none	Score	106
Exons	5280..5354, 5280..5393, 5287..5400, 5287..5400, 5288..5401, 5400..5561, 5402..5560		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92813	Strand	
Start	5484	End	6101
Name	OJ000350_25.0309.C22.o3.tm	Method	TBLASTX:Maize
Start	5484	End	5927
GI	none	Score	163
Exons	5484..5678, 5540..5677, 5772..5927, 5786..5926		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92813	Strand	
Start	5484	End	6101
Name	OJ000350_25.0309.C22.o3.ts	Method	TBLASTX:Soybean
Start	5531	End	6032
GI	none	Score	722
Exons	5531..5956, 5532..6032, 5532..6032		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92813	Strand	
Start	5484	End	6101
Name	OJ000350_25.0309.C22.o2.tc	Method	TBLASTX:Cress
Start	5562	End	6101
GI	none	Score	48
Exons	5562..5672, 5643..6056, 5647..5937, 5651..6100, 5654..6034, 5658..6101		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92814	Strand	
Start	6153	End	6478
Name	OJ000350_25.0309.C22.o4.tc	Method	TBLASTX:Cress
Start	6153	End	6470
GI	none	Score	410
Exons	6153..6470, 6155..6454		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92814	Strand	
Start	6153	End	6478
Name	OJ000350_25.0309.C22.o2.tm	Method	TBLASTX:Maize
Start	6233	End	6478
GI	none	Score	391
Exons	6233..6478, 6234..6476, 6433..6477		

Seq. No.	44103	Seq. ID	OJ000350_25.0309.C22
Gene No.	92814	Strand	
Start	6153	End	6478
Name	OJ000350_25.0309.C22.o9.ts	Method	TBLASTX:Soybean
Start	6312	End	6478
GI	none	Score	206
Exons	6312..6470, 6314..6478, 6314..6478		

Seq. No.	44104	Seq. ID	OJ000150_26.0317.C2
Gene No.	92815	Strand	+
Start	78	End	1199
Name	OJ000150_26.0317.C2.o1.gs	Method	GENSCAN
Start	78	End	1199
GI	none	Score	.53
Exons	78..131, 741..789, 1114..1199		

Seq. No.	44104	Seq. ID	OJ000150_26.0317.C2
Gene No.	92816	Strand	-
Start	1	End	1452
Name	OJ000150_26.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	1452
GI	7340860	Score	48
Exons	1..66, 1142..1452		

GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92817	Strand	+
Start	375	End	9778
Name	OJ000150_26.0317.C3.o1.np	Method	AAT/NAP
Start	375	End	9010
GI	7442091	Score	184
Exons	375..760, 8689..8845, 8920..9010		
GI Descrip.	proline-rich protein F25E4.50 - Arabidopsis thaliana gi|7321040|emb|CAB82148.1| (AL050399) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92817	Strand	+
Start	375	End	9778
Name	OJ000150_26.0317.C3.o1.gs	Method	GENSCAN
Start	676	End	2473
GI	none	Score	.55
Exons	676..936, 2270..2473		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92817	Strand	+
Start	375	End	9778
Name	OJ000150_26.0317.C3.o2.gs	Method	GENSCAN
Start	8041	End	9778
GI	none	Score	.41
Exons	8041..8114, 8439..8495, 8954..9124, 9625..9778		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92818	Strand	+
Start	17709	End	18474
Name	OJ000150_26.0317.C3.o4.gs	Method	GENSCAN
Start	17709	End	18474
GI	none	Score	.67
Exons	17709..17863, 18420..18474		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92819	Strand	+
Start	21014	End	22170
Name	OJ000150_26.0317.C3.o5.gs	Method	GENSCAN
Start	21014	End	22147
GI	none	Score	.94
Exons	21014..21502, 22040..22147		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3
Gene No.	92819	Strand	+
Start	21014	End	22170
Name	OJ000150_26.0317.C3.o2.np	Method	AAT/NAP
Start	21407	End	22170
GI	6862916	Score	213
Exons	21407..21502, 22040..22170		
GI Descrip.	(AC018907) putative helix-loop-helix DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	44105	Seq. ID	OJ000150_26.0317.C3

Gene No.	92820	Strand	-
Start	13231	End	15480
Name	OJ000150_26.0317.C3.o3.gs	Method	GENSCAN
Start	13231	End	15480
GI	none	Score	.7
Exons	13231..13395, 13959..14052, 15473..15480		

Seq. No.	44106	Seq. ID	OJ000150_26.0317.C4
Gene No.	92821	Strand	+
Start	98	End	1951
Name	OJ000150_26.0317.C4.o1.gs	Method	GENSCAN
Start	98	End	1951
GI	none	Score	.94
Exons	98..451, 1886..1951		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92822	Strand	+
Start	6860	End	8945
Name	OJ000150_26.0317.C5.o3.gp	Method	AAT/GAP
Start	6825	End	7251
GI	3762066	Score	750
Exons	6825..7251		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92822	Strand	+
Start	6860	End	8945
Name	OJ000150_26.0317.C5.o2.gs	Method	GENSCAN
Start	6860	End	8945
GI	none	Score	.93
Exons	6860..7240, 8278..8526, 8661..8945		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92823	Strand	+
Start	10788	End	11244
Name	OJ000150_26.0317.C5.o2.np	Method	AAT/NAP
Start	10762	End	11241
GI	3395756	Score	250
Exons	10762..10956, 11045..11241		
GI Descrip.	(U76297) plantacyanin [Arabidopsis thaliana] gi|3461812|gb|AAC32906.1| (AC004138) putative basic blue protein (plantacyanin) [Arabidopsis thaliana]		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92823	Strand	+
Start	10788	End	11244
Name	OJ000150_26.0317.C5.o3.gs	Method	GENSCAN
Start	10788	End	11244
GI	none	Score	.87
Exons	10788..10956, 11042..11244		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92824	Strand	-
Start	2256	End	7049
Name	OJ000150_26.0317.C5.o1.gp	Method	AAT/GAP
Start	1946	End	2531
GI	none	Score	934
Exons	1946..2379, 2479..2531		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92824	Strand	-
Start	2256	End	7049
Name	OJ000150_26.0317.C5.o1.gs	Method	GENSCAN
Start	2256	End	6713
GI	none	Score	.65
Exons	2256..2372, 2479..2664, 2769..2960, 3142..3177, 3470..3550, 4183..4306, 4611..5603, 5863..5988, 6643..6713		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92824	Strand	-
Start	2256	End	7049
Name	OJ000150_26.0317.C5.o1.np	Method	AAT/NAP
Start	2335	End	7049
GI	7267602	Score	569
Exons	2335..2379, 2479..2598, 2766..2960, 3470..3550, 3947..3988, 4036..4080, 4183..4285, 4611..4955, 4983..5072, 5196..5315, 7004..7049		
GI Descrip.	(AL161491) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92824	Strand	-
Start	2256	End	7049
Name	OJ000150_26.0317.C5.o2.gp	Method	AAT/GAP
Start	2569	End	4276
GI	7423_1.R1084	Score	1184
Exons	2569..2664, 2769..2960, 3470..3550, 3634..3708, 3794..3868, 4021..4080, 4183..4276		
GI Descrip.	'2191152 1.0e-27 (AF007269) A_IG002N01.31 gene product [Arabidopsis thaliana]'		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o3.tc	Method	TBLASTX:Cress
Start	3465	End	3857
GI	none	Score	91
Exons	3465..3551, 3468..3551, 3470..3553, 3632..3709, 3632..3679, 3634..3708, 3786..3857		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	3786	End	5056
GI	none	Score	103
Exons	3786..3869, 3791..3859, 4037..4081, 4039..4083, 4171..4284, 4173..4283, 4187..4303, 4187..4288, 4605..4856, 4607..4855, 4940..4981, 4964..5056		

Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	7139	End	8462
GI	none	Score	76

Exons	7139..7216, 8253..8462, 8266..8451, 8274..8462		
Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	8311	End	8858
GI	none	Score	230
Exons	8311..8526, 8319..8492, 8661..8858		
Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	10854	End	11232
GI	none	Score	92
Exons	10854..10955, 10877..10936, 11040..11228, 11047..11232		
Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	10854	End	11264
GI	none	Score	95
Exons	10854..10955, 10857..10955, 11043..11264, 11044..11232, 11178..11243		
Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	10862	End	11232
GI	none	Score	88
Exons	10862..10939, 10863..10955, 11043..11231, 11044..11232		
Seq. No.	44107	Seq. ID	OJ000150_26.0317.C5
Gene No.	92825	Strand	-
Start	12021	End	12325
Name	OJ000150_26.0317.C5.o3.np	Method	AAT/NAP
Start	12021	End	12325
GI	1518059	Score	136
Exons	12021..12325		
GI Descrip.	(U65650) blue-copper binging protein III [Arabidopsis thaliana] gi|3395770 (AF039404) uclacyanin 3 [Arabidopsis thaliana]		
Seq. No.	44108	Seq. ID	OJ000150_26.0317.C6
Gene No.	92826	Strand	+
Start	760	End	998
Name	OJ000150_26.0317.C6.o1.gs	Method	GENSCAN
Start	760	End	998
GI	none	Score	.7
Exons	760..915, 994..998		
Seq. No.	44108	Seq. ID	OJ000150_26.0317.C6
Gene No.	92827	Strand	-
Start	1507	End	1776
Name	OJ000150_26.0317.C6.o2.gs	Method	GENSCAN

Start	1507	End	1776
GI	none	Score	.55
Exons	1507..1776		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92828	Strand	+
Start	7387	End	11953
Name	OJ000150_26.0317.C7.o3.gs	Method	GENSCAN
Start	7387	End	11953
GI	none	Score	.56
Exons	7387..7558, 7837..8041, 8644..8787, 8914..9142, 9221..9452, 9656..9715, 11315..11578, 11612..11697, 11834..11953		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92828	Strand	+
Start	7387	End	11953
Name	OJ000150_26.0317.C7.o2.np	Method	AAT/NAP
Start	7480	End	8033
GI	2129490	Score	166
Exons	7480..7558, 7837..8033		
GI Descrip.	plantacyanin - spinach		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92829	Strand	+
Start	15082	End	15168
Name	OJ000150_26.0317.C7.o1.gp	Method	AAT/GAP
Start	15082	End	15168
GI	69953_1.R1084	Score	119
Exons	15082..15168		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92830	Strand	-
Start	1	End	8230
Name	OJ000150_26.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	8230
GI	7340723	Score	200
Exons	1..46, 3835..4462, 6592..6724, 8199..8230		
GI Descrip.	(AL162507) putative protein [Arabidopsis thaliana]		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92830	Strand	-
Start	1	End	8230
Name	OJ000150_26.0317.C7.o1.gs	Method	GENSCAN
Start	1497	End	3534
GI	none	Score	.78
Exons	1497..1638, 1800..2212, 2222..2287, 3418..3534		

Seq. No.	44109	Seq. ID	OJ000150_26.0317.C7
Gene No.	92830	Strand	-
Start	1	End	8230
Name	OJ000150_26.0317.C7.o2.gs	Method	GENSCAN
Start	5800	End	6862
GI	none	Score	.55
Exons	5800..5982, 6314..6862		

Seq. No.	44110	Seq. ID	OJ000150_26.0317.C8
Gene No.	92831	Strand	+
Start	625	End	1439
Name	OJ000150_26.0317.C8.o1.gs	Method	GENSCAN
Start	625	End	1439
GI	none	Score	.93
Exons	625..764, 838..1039, 1190..1390, 1432..1439		

Seq. No.	44110	Seq. ID	OJ000150_26.0317.C8
Gene No.	92832	Strand	+
Start	2832	End	3860
Name	OJ000150_26.0317.C8.o1.gp	Method	AAT/GAP
Start	2810	End	3008
GI	20538_2.R1084	Score	367
Exons	2810..3008		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	44110	Seq. ID	OJ000150_26.0317.C8
Gene No.	92832	Strand	+
Start	2832	End	3860
Name	OJ000150_26.0317.C8.o2.gs	Method	GENSCAN
Start	2832	End	3860
GI	none	Score	1
Exons	2832..3860		

Seq. No.	44110	Seq. ID	OJ000150_26.0317.C8
Gene No.	92832	Strand	+
Start	2832	End	3860
Name	OJ000150_26.0317.C8.o2.gp	Method	AAT/GAP
Start	3420	End	3646
GI	428633	Score	446
Exons	3420..3646		

Seq. No.	44111	Seq. ID	OJ000150_26.0317.C12
Gene No.	92833	Strand	+
Start	91	End	395
Name	OJ000150_26.0317.C12.o1.gs	Method	GENSCAN
Start	91	End	395
GI	none	Score	.92
Exons	91..245, 265..395		

Seq. No.	44112	Seq. ID	OJ000150_26.0317.C14
Gene No.	92834	Strand	+
Start	213	End	1098
Name	OJ000150_26.0317.C14.o1.np	Method	AAT/NAP
Start	213	End	1098
GI	6721547	Score	71
Exons	213..326, 1030..1098		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	44113	Seq. ID	OJ000150_26.0317.C28
Gene No.	92835	Strand	-
Start	405	End	515
Name	OJ000150_26.0317.C28.o1.gs	Method	GENSCAN
Start	405	End	515
GI	none	Score	.42

Exons	405..515		
Seq. No.	44114	Seq. ID	OJ000150_26.0317.C33
Gene No.	92836	Strand	-
Start	1	End	713
Name	OJ000150_26.0317.C33.o1.np	Method	AAT/NAP
Start	1	End	713
GI	7486957	Score	451
Exons	1..476, 661..713		
GI Descrip.	hypothetical protein T13J8.190 - Arabidopsis thaliana gi|4455367|emb|CAB36777.1| (AL035524) putative protein [Arabidopsis thaliana] gi|7269662|emb|CAB79610.1| (AL161572) putative protein [Arabidopsis thaliana]		
Seq. No.	44114	Seq. ID	OJ000150_26.0317.C33
Gene No.	92836	Strand	-
Start	1	End	713
Name	OJ000150_26.0317.C33.o1.gs	Method	GENSCAN
Start	32	End	476
GI	none	Score	.57
Exons	32..476		
Seq. No.	44114	Seq. ID	OJ000150_26.0317.C33
Gene No.	92836	Strand	-
Start	1	End	713
Name	OJ000150_26.0317.C33.o1.ts	Method	TBLASTX:Soybean
Start	147	End	385
GI	none	Score	121
Exons	147..383, 178..324, 250..384, 263..385		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92837	Strand	+
Start	7880	End	9913
Name	OJ000150_26.0317.C34.o2.gs	Method	GENSCAN
Start	7880	End	9913
GI	none	Score	.75
Exons	7880..8097, 8412..8457, 8502..8654, 8925..9208, 9380..9428, 9515..9913		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92838	Strand	+
Start	18231	End	21089
Name	OJ000150_26.0317.C34.o2.np	Method	AAT/NAP
Start	18231	End	21089
GI	7486746	Score	1378
Exons	18231..18302, 18522..18779, 18870..18990, 19833..20007, 20258..20328, 20458..21089		
GI Descrip.	hypothetical protein F9D16.290 - Arabidopsis thaliana gi|4454051|emb|CAA23048.1| (AL035394) putative polygalacturonase [Arabidopsis thaliana] gi|7269231|emb|CAB81300.1| (AL161560) putative polygalacturonase [Arabidopsis thaliana]		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92839	Strand	-
Start	1	End	4543
Name	OJ000150_26.0317.C34.o1.np	Method	AAT/NAP
Start	1	End	2921

GI	7486957	Score	923
Exons	1..442, 698..1477, 1811..1852, 1937..2063, 2524..2921		
GI Descrip.	hypothetical protein T13J8.190 - Arabidopsis thaliana gi|4455367|emb|CAB36777.1| (AL035524) putative protein [Arabidopsis thaliana] gi|7269662|emb|CAB79610.1| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92839	Strand	-
Start	1	End	4543
Name	OJ000150_26.0317.C34.o1.gs	Method	GENSCAN
Start	342	End	4543
GI	none	Score	.95
Exons	342..442, 698..858, 947..1477, 1811..1852, 1937..2068, 2373..2458, 2592..2903, 2996..3101, 3159..3251, 4174..4235, 4474..4543		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92840	Strand	-
Start	10378	End	15879
Name	OJ000150_26.0317.C34.o3.gs	Method	GENSCAN
Start	10378	End	15879
GI	none	Score	.59
Exons	10378..10521, 10706..10862, 10960..11062, 12559..12611, 12731..12804, 12964..13099, 13146..13314, 13411..13533, 13792..13815, 14545..14708, 15749..15879		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92841	Strand	-
Start	18404	End	18979
Name	OJ000150_26.0317.C34.o4.gs	Method	GENSCAN
Start	18404	End	18979
GI	none	Score	.88
Exons	18404..18979		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o3.ts	Method	TBLASTX:Soybean
Start	944	End	1386
GI	none	Score	121
Exons	944..1000, 1148..1384, 1179..1325, 1251..1385, 1264..1386		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o3.tc	Method	TBLASTX:Cress
Start	2830	End	3257
GI	none	Score	96
Exons	2830..2892, 3000..3071, 3156..3257, 3157..3252		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o2.ts	Method	TBLASTX:Soybean
Start	18522	End	18781
GI	none	Score	302

Exons	18522..18776, 18542..18781		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o1.tc	Method	TBLASTX:Cress
Start	18528	End	19983
GI	none	Score	299
Exons	18528..18779, 18536..18772, 18867..18995, 18869..18991, 19831..19983, 19865..19969		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o2.tm	Method	TBLASTX:Maize
Start	18528	End	20009
GI	none	Score	46
Exons	18528..18560, 18557..18781, 18558..18779, 18863..18994, 18867..18995, 19812..19919, 19831..20004, 19868..20005, 19968..20009		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o1.ts	Method	TBLASTX:Soybean
Start	18870	End	21056
GI	none	Score	183
Exons	18870..18995, 18881..18994, 19811..20026, 19831..20043, 19851..19925, 19865..20005, 19962..20009, 20255..20326, 20256..20327, 20456..20665, 20457..20969, 20706..20897, 20738..20947, 20985..21056, 20987..21055		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o2.tc	Method	TBLASTX:Cress
Start	20439	End	20978
GI	none	Score	173
Exons	20439..20606, 20456..20566, 20612..20665, 20652..20978, 20741..20917		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o1.tm	Method	TBLASTX:Maize
Start	20456	End	21080
GI	none	Score	667
Exons	20456..20665, 20457..21080, 20706..21050, 20738..21052		
Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o1.tw	Method	TBLASTX:Wheat
Start	20706	End	20957
GI	none	Score	196
Exons	20706..20957, 20795..20953		

Seq. No.	44115	Seq. ID	OJ000150_26.0317.C34
Gene No.	92842	Strand	-
Start	22098	End	22338
Name	OJ000150_26.0317.C34.o6.gs	Method	GENSCAN
Start	22098	End	22338
GI	none	Score	.72
Exons	22098..22338		

Seq. No.	44116	Seq. ID	OJ000150_26.0317.C35
Gene No.	92843	Strand	+
Start	1	End	1202
Name	OJ000150_26.0317.C35.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	7486746	Score	349
Exons	1..148, 992..1166		
GI Descrip.	hypothetical protein F9D16.290 - Arabidopsis thaliana gi|4454051|emb|CAA23048.1| (AL035394) putative polygalacturonase [Arabidopsis thaliana] gi|7269231|emb|CAB81300.1| (AL161560) putative polygalacturonase [Arabidopsis thaliana]		

Seq. No.	44116	Seq. ID	OJ000150_26.0317.C35
Gene No.	92843	Strand	+
Start	1	End	1202
Name	OJ000150_26.0317.C35.o1.tm	Method	TBLASTX:Maize
Start	12	End	1170
GI	none	Score	101
Exons	12..110, 20..97, 85..153, 87..152, 990..1163, 994..1170, 1001..1078, 1027..1164, 1127..1168		

Seq. No.	44116	Seq. ID	OJ000150_26.0317.C35
Gene No.	92843	Strand	+
Start	1	End	1202
Name	OJ000150_26.0317.C35.o1.ts	Method	TBLASTX:Soybean
Start	36	End	1202
GI	none	Score	83
Exons	36..98, 38..97, 76..150, 78..152, 85..153, 961..1185, 990..1163, 990..1202, 1024..1164		

Seq. No.	44117	Seq. ID	OJ000150_26.0317.C39
Gene No.	92844	Strand	-
Start	626	End	895
Name	OJ000150_26.0317.C39.o1.gs	Method	GENSCAN
Start	626	End	834
GI	none	Score	.91
Exons	626..834		

Seq. No.	44117	Seq. ID	OJ000150_26.0317.C39
Gene No.	92844	Strand	-
Start	626	End	895
Name	OJ000150_26.0317.C39.o1.np	Method	AAT/NAP
Start	638	End	895
GI	3860333	Score	142
Exons	638..895		
GI Descrip.	(AJ012693) basic blue copper protein [Cicer arietinum]		

Seq. No.	44117	Seq. ID	OJ000150_26.0317.C39
Gene No.	92844	Strand	-

Start	626	End	895
Name	OJ000150_26.0317.C39.o1.ts	Method	TBLASTX:Soybean
Start	657	End	835
GI	none	Score	84
Exons	657..824, 659..835		

Seq. No.	44118	Seq. ID	OJ000150_26.0317.C45
Gene No.	92845	Strand	-
Start	178	End	808
Name	OJ000150_26.0317.C45.o1.gs	Method	GENSCAN
Start	178	End	808
GI	none	Score	.92
Exons	178..263, 297..560, 739..808		

Seq. No.	44119	Seq. ID	OJ000150_26.0317.C48
Gene No.	92846	Strand	-
Start	610	End	704
Name	OJ000150_26.0317.C48.o1.gs	Method	GENSCAN
Start	610	End	704
GI	none	Score	.94
Exons	610..704		

Seq. No.	44120	Seq. ID	OJ000150_26.0317.C49
Gene No.	92847	Strand	+
Start	278	End	647
Name	OJ000150_26.0317.C49.o1.gs	Method	GENSCAN
Start	278	End	647
GI	none	Score	.88
Exons	278..347, 586..647		

Seq. No.	44121	Seq. ID	OJ000150_26.0317.C59
Gene No.	92848	Strand	+
Start	1	End	533
Name	OJ000150_26.0317.C59.o1.np	Method	AAT/NAP
Start	1	End	403
GI	7270055	Score	276
Exons	1..110, 257..403		
GI Descrip.	(AL161579) putative protein [Arabidopsis thaliana]		

Seq. No.	44121	Seq. ID	OJ000150_26.0317.C59
Gene No.	92848	Strand	+
Start	1	End	533
Name	OJ000150_26.0317.C59.o1.gp	Method	AAT/GAP
Start	70	End	533
GI	2442924	Score	553
Exons	70..110, 257..533		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	44121	Seq. ID	OJ000150_26.0317.C59
Gene No.	92849	Strand	-
Start	1053	End	1160
Name	OJ000150_26.0317.C59.o1.gs	Method	GENSCAN
Start	1053	End	1160
GI	none	Score	.42
Exons	1053..1160		

Seq. No.	44122	Seq. ID	OJ000150_26.0317.C72
Gene No.	92850	Strand	-
Start	957	End	1018
Name	OJ000150_26.0317.C72.o1.gs	Method	GENSCAN
Start	957	End	1018
GI	none	Score	.89
Exons	957..1018		

Seq. No.	44123	Seq. ID	OJ000150_26.0317.C75
Gene No.	92851	Strand	+
Start	248	End	751
Name	OJ000150_26.0317.C75.o1.np	Method	AAT/NAP
Start	248	End	751
GI	4850399	Score	130
Exons	248..343, 677..751		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	44124	Seq. ID	OJ000150_26.0317.C77
Gene No.	92852	Strand	-
Start	127	End	315
Name	OJ000150_26.0317.C77.o1.tw	Method	TBLASTX:Wheat
Start	118	End	294
GI	none	Score	139
Exons	118..294, 145..294		

Seq. No.	44124	Seq. ID	OJ000150_26.0317.C77
Gene No.	92852	Strand	-
Start	127	End	315
Name	OJ000150_26.0317.C77.o1.tm	Method	TBLASTX:Maize
Start	125	End	315
GI	none	Score	185
Exons	125..310, 126..293, 127..315, 127..294		

Seq. No.	44124	Seq. ID	OJ000150_26.0317.C77
Gene No.	92852	Strand	-
Start	127	End	315
Name	OJ000150_26.0317.C77.o1.gs	Method	GENSCAN
Start	127	End	293
GI	none	Score	.42
Exons	127..293		

Seq. No.	44125	Seq. ID	OJ000250_29.0309.C2
Gene No.	92853	Strand	-
Start	1	End	1646
Name	OJ000250_29.0309.C2.o1.np	Method	AAT/NAP
Start	1	End	1646
GI	4680203	Score	775
Exons	1..724, 1626..1646		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44125	Seq. ID	OJ000250_29.0309.C2
Gene No.	92853	Strand	-
Start	1	End	1646
Name	OJ000250_29.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	22	End	373
GI	none	Score	195
Exons	22..273, 32..283, 33..275, 266..373		

Seq. No.	44125	Seq. ID	OJ000250_29.0309.C2
Gene No.	92853	Strand	-
Start	1	End	1646
Name	OJ000250_29.0309.C2.o1.gs	Method	GENSCAN
Start	31	End	724
GI	none	Score	.96
Exons	31..724		

Seq. No.	44125	Seq. ID	OJ000250_29.0309.C2
Gene No.	92853	Strand	-
Start	1	End	1646
Name	OJ000250_29.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	32	End	250
GI	none	Score	111
Exons	32..250, 36..242		

Seq. No.	44125	Seq. ID	OJ000250_29.0309.C2
Gene No.	92853	Strand	-
Start	1	End	1646
Name	OJ000250_29.0309.C2.o1.gp	Method	AAT/GAP
Start	586	End	1162
GI	2310235	Score	298
Exons	586..724, 1125..1162		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	44126	Seq. ID	OJ000250_29.0309.C4
Gene No.	92854	Strand	+
Start	739	End	1195
Name	OJ000250_29.0309.C4.o1.np	Method	AAT/NAP
Start	739	End	1195
GI	6539570	Score	179
Exons	739..942, 1122..1195		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44126	Seq. ID	OJ000250_29.0309.C4
Gene No.	92854	Strand	+
Start	739	End	1195
Name	OJ000250_29.0309.C4.o1.gs	Method	GENSCAN
Start	804	End	1101
GI	none	Score	.72
Exons	804..998, 1047..1101		

Seq. No.	44126	Seq. ID	OJ000250_29.0309.C4
Gene No.	92855	Strand	+
Start	4666	End	6562
Name	OJ000250_29.0309.C4.o2.gs	Method	GENSCAN
Start	4666	End	6562
GI	none	Score	.64
Exons	4666..4693, 5490..5523, 6445..6562		

Seq. No.	44127	Seq. ID	OJ000250_29.0309.C6
Gene No.	92856	Strand	-
Start	1	End	503
Name	OJ000250_29.0309.C6.o1.np	Method	AAT/NAP
Start	1	End	502

GI	7487315	Score	143
Exons	1..502		
GI Descrip.	hypothetical protein T22A6.140 - Arabidopsis thaliana gi|5051773|emb|CAB45066.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269281|emb|CAB79341.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	44127	Seq. ID	OJ000250_29.0309.C6
Gene No.	92856	Strand	-
Start	1	End	503
Name	OJ000250_29.0309.C6.o1.gs	Method	GENSCAN
Start	94	End	503
GI	none	Score	.77
Exons	94..330, 390..503		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o2.tw	Method	TBLASTX:Wheat
Start	1	End	305
GI	none	Score	143
Exons	1..96, 18..95, 76..300, 96..305, 99..305		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	339
GI	none	Score	141
Exons	1..135, 145..339		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o1.np	Method	AAT/NAP
Start	1	End	1097
GI	6742729	Score	1727
Exons	1..1097		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	169	End	411
GI	none	Score	224
Exons	169..411, 255..359		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	444	End	893
GI	none	Score	87
Exons	444..494, 445..507, 513..695, 517..735, 763..891, 768..893, 769..891		

Seq. No.	44128	Seq. ID	OJ000250_29.0309.C8
Gene No.	92857	Strand	+
Start	1	End	1097
Name	OJ000250_29.0309.C8.o3.tw	Method	TBLASTX:Wheat
Start	894	End	1095
GI	none	Score	111
Exons	894..1088, 894..1094, 895..1095		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92858	Strand	+
Start	1	End	653
Name	OJ000250_29.0309.C9.o1.np	Method	AAT/NAP
Start	1	End	632
GI	4680203	Score	597
Exons	1..632		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92858	Strand	+
Start	1	End	653
Name	OJ000250_29.0309.C9.o1.gs	Method	GENSCAN
Start	63	End	653
GI	none	Score	.87
Exons	63..653		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92859	Strand	+
Start	1979	End	2473
Name	OJ000250_29.0309.C9.o2.gs	Method	GENSCAN
Start	1979	End	2473
GI	none	Score	.92
Exons	1979..2473		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92860	Strand	+
Start	3238	End	6898
Name	OJ000250_29.0309.C9.o3.gs	Method	GENSCAN
Start	3238	End	6898
GI	none	Score	.75
Exons	3238..4659, 4734..4875, 5001..5793, 5903..6076, 6173..6283, 6368..6440, 6535..6633, 6713..6898		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o2.tw	Method	TBLASTX:Wheat
Start	12	End	578
GI	none	Score	155
Exons	12..179, 20..163, 174..218, 178..213, 221..316, 225..284, 263..403, 264..404, 409..480, 417..497, 486..578, 512..577		

Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o5.tw	Method	TBLASTX:Wheat
Start	3866	End	4269
GI	none	Score	62

Exons	3866..4006, 3866..3976, 3868..4104, 3868..4017, 3969..4136, 4099..4269		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o7.tw	Method	TBLASTX:Wheat
Start	5720	End	6242
GI	none	Score	60
Exons	5720..5800, 5889..6071, 5939..6064, 6171..6242		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o2.np	Method	AAT/NAP
Start	9323	End	12950
GI	4680183	Score	4761
Exons	9323..11782, 12278..12320, 12408..12823, 12894..12950		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o4.gs	Method	GENSCAN
Start	9323	End	12901
GI	none	Score	.92
Exons	9323..12234, 12331..12901		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o4.tw	Method	TBLASTX:Wheat
Start	10603	End	11005
GI	none	Score	301
Exons	10603..10872, 10604..11005		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o3.tw	Method	TBLASTX:Wheat
Start	11582	End	12039
GI	none	Score	149
Exons	11582..11758, 11803..12039, 11807..12037		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	11890	End	12037
GI	none	Score	183
Exons	11890..12036, 11891..12037		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	12259	End	12715

GI	none	Score	497
Exons	12259..12714, 12260..12715		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	12299	End	12664
GI	none	Score	138
Exons	12299..12523, 12530..12664		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	12389	End	12745
GI	none	Score	375
Exons	12389..12745, 12430..12735, 12452..12745		
Seq. No.	44129	Seq. ID	OJ000250_29.0309.C9
Gene No.	92861	Strand	+
Start	9323	End	12950
Name	OJ000250_29.0309.C9.o6.tw	Method	TBLASTX:Wheat
Start	12715	End	12949
GI	none	Score	251
Exons	12715..12948, 12716..12949		
Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92862	Strand	+
Start	1	End	1999
Name	OJ000250_29.0309.C10.o1.np	Method	AAT/NAP
Start	1	End	1999
GI	5902445	Score	3419
Exons	1..1999		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92863	Strand	+
Start	8510	End	11881
Name	OJ000250_29.0309.C10.o1.gp	Method	AAT/GAP
Start	6578	End	6726
GI	uC-osflcyp177g01a1	Score	244
Exons	6578..6726		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92863	Strand	+
Start	8510	End	11881
Name	OJ000250_29.0309.C10.o3.gs	Method	GENSCAN
Start	8510	End	11881
GI	none	Score	.51
Exons	8510..8707, 9947..10042, 10543..10600, 11706..11881		
Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92864	Strand	+
Start	12965	End	13047

Name	OJ000250_29.0309.C10.o2.gp	Method	AAT/GAP
Start	12965	End	13047
GI	38012_1.R1084	Score	104
Exons	12965..13047		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92865	Strand	-
Start	2319	End	6002
Name	OJ000250_29.0309.C10.o2.gs	Method	GENSCAN
Start	2319	End	6002
GI	none	Score	.87
Exons	2319..2767, 2840..2944, 3017..3206, 3283..3470, 3545..3973, 4007..4310, 4397..5320, 5907..6002		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92865	Strand	-
Start	2319	End	6002
Name	OJ000250_29.0309.C10.o2.np	Method	AAT/NAP
Start	2322	End	5281
GI	6691716	Score	2347
Exons	2322..2767, 2840..2952, 3103..3206, 3283..3470, 3545..3707, 3819..3939, 4021..4213, 4411..5281		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	125	End	513
GI	none	Score	261
Exons	125..511, 133..228, 265..513		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	134	End	556
GI	none	Score	412
Exons	134..556, 142..480		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o3.tm	Method	TBLASTX:Maize
Start	187	End	460
GI	none	Score	127
Exons	187..357, 197..358, 362..460, 394..459		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o5.tw	Method	TBLASTX:Wheat
Start	572	End	871

GI	none	Score	137
Exons	572..706, 731..871		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	869	End	1192
GI	none	Score	447
Exons	869..1192, 889..1179		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	874	End	1261
GI	none	Score	417
Exons	874..1185, 875..1261, 1076..1261		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o4.tm	Method	TBLASTX:Maize
Start	1333	End	1606
GI	none	Score	95
Exons	1333..1440, 1334..1432, 1423..1497, 1427..1510, 1520..1606		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o3.tw	Method	TBLASTX:Wheat
Start	1376	End	1990
GI	none	Score	273
Exons	1376..1654, 1396..1485, 1537..1638, 1709..1867, 1853..1990		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	1718	End	1951
GI	none	Score	149
Exons	1718..1870, 1810..1869, 1849..1950, 1850..1951		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o4.tw	Method	TBLASTX:Wheat
Start	4871	End	5161
GI	none	Score	56
Exons	4871..5161, 4908..5021		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o3.np	Method	AAT/NAP
Start	9181	End	15861
GI	6649857	Score	91

Exons	9181..9475, 12203..12282, 14285..14450, 14884..15145, 15818..15861		
GI Descrip.	(AF009222) kexin-like serine endoprotease [Pneumocystis carinii]		

Seq. No.	44130	Seq. ID	OJ000250_29.0309.C10
Gene No.	92866	Strand	-
Start	9181	End	15861
Name	OJ000250_29.0309.C10.o4.gs	Method	GENSCAN
Start	12116	End	15167
GI	none	Score	.78
Exons	12116..12202, 12440..12532, 13921..14469, 14910..15167		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92867	Strand	+
Start	174	End	2350
Name	OJ000250_29.0309.C12.o1.gs	Method	GENSCAN
Start	174	End	2350
GI	none	Score	.55
Exons	174..311, 1007..1634, 2270..2350		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92868	Strand	-
Start	903	End	2864
Name	OJ000250_29.0309.C12.o1.gp	Method	AAT/GAP
Start	903	End	2864
GI	1103_1.R1084	Score	1944
Exons	903..1643, 2618..2864		
GI Descrip.	'131225/sp|P23993|PSAL_HORVU 7.0e-95 PHOTOSYSTEM I REACTION CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L) >gi_100605_pir__A39759 photosystem I 18K protein precursor - barley >gi_167087 (M61146) photosystem I hydrophobic protein [Hordeum vulgare]'		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92868	Strand	-
Start	903	End	2864
Name	OJ000250_29.0309.C12.o1.np	Method	AAT/NAP
Start	1155	End	2752
GI	131225	Score	961
Exons	1155..1643, 2618..2752		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT XI PRECURSOR (SUBUNIT V) (PSI-L) gi|100605|pir||A39759 photosystem I 18K protein precursor - barley gi|167087 (M61146) photosystem I hydrophobic protein [Hordeum vulgare]		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	1138	End	2744
GI	none	Score	683
Exons	1138..1641, 1152..1640, 1461..1646, 1531..1641, 1541..1642, 2657..2743, 2661..2744		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453

Name	OJ000250_29.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	1140	End	1646
GI	none	Score	487
Exons	1140..1646, 1141..1644, 1467..1646		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	1149	End	1641
GI	none	Score	488
Exons	1149..1640, 1150..1641, 1531..1641		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o2.np	Method	AAT/NAP
Start	4020	End	7105
GI	6728982	Score	470
Exons	4020..4280, 4368..4411, 4521..4578, 6767..6860, 6966..7105		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o2.gs	Method	GENSCAN
Start	4053	End	7453
GI	none	Score	.46
Exons	4053..4280, 4763..4786, 6767..6860, 6966..7453		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	4128	End	7069
GI	none	Score	79
Exons	4128..4322, 4134..4322, 4144..4329, 4368..4421, 6765..6860, 6767..6859, 6965..7069		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o1.tw	Method	TBLASTX:Wheat
Start	4134	End	4421
GI	none	Score	169
Exons	4134..4307, 4144..4281, 4368..4421, 4372..4419		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12
Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	4134	End	7070
GI	none	Score	147
Exons	4134..4307, 4147..4371, 4368..4421, 6767..6859, 6767..6859, 6965..7069, 6976..7011, 7008..7070		

Seq. No.	44131	Seq. ID	OJ000250_29.0309.C12

Gene No.	92869	Strand	-
Start	4053	End	7453
Name	OJ000250_29.0309.C12.o2.tc	Method	TBLASTX:Cress
Start	6773	End	7070
GI	none	Score	90
Exons	6773..6859, 6774..6863, 6965..7069, 7008..7070		

Seq. No.	44132	Seq. ID	OJ000250_29.0309.C13
Gene No.	92870	Strand	+
Start	896	End	1003
Name	OJ000250_29.0309.C13.o1.gs	Method	GENSCAN
Start	896	End	1003
GI	none	Score	.51
Exons	896..1003		

Seq. No.	44133	Seq. ID	OJ000250_29.0309.C14
Gene No.	92871	Strand	+
Start	5180	End	10226
Name	OJ000250_29.0309.C14.o1.np	Method	AAT/NAP
Start	5143	End	8002
GI	1362162	Score	1287
Exons	5143..5381, 5649..5707, 5816..5891, 5980..6051, 6147..6234, 6543..6790, 6887..6998, 7089..7300, 7398..7429, 7508..7610, 7725..8002		
GI Descrip.	beta-glucosidase BGQ60 precursor - barley gi|804656 (L41869) beta-glucosidase [Hordeum vulgare]		

Seq. No.	44133	Seq. ID	OJ000250_29.0309.C14
Gene No.	92871	Strand	+
Start	5180	End	10226
Name	OJ000250_29.0309.C14.o2.gs	Method	GENSCAN
Start	5180	End	10140
GI	none	Score	.72
Exons	5180..5381, 5649..5707, 5816..5891, 5980..6051, 6147..6234, 6543..6759, 6883..6998, 7089..7300, 7398..7429, 7508..7610, 7725..7993, 9207..9353, 9450..9590, 9687..9773, 10018..10140		

Seq. No.	44133	Seq. ID	OJ000250_29.0309.C14
Gene No.	92871	Strand	+
Start	5180	End	10226
Name	OJ000250_29.0309.C14.o2.np	Method	AAT/NAP
Start	9264	End	10226
GI	3850621	Score	310
Exons	9264..9353, 9450..9590, 9687..9773, 10018..10226		
GI Descrip.	(Y15382) putative RNA binding protein [Arabidopsis thaliana]		

Seq. No.	44133	Seq. ID	OJ000250_29.0309.C14
Gene No.	92872	Strand	-
Start	785	End	2131
Name	OJ000250_29.0309.C14.o1.gs	Method	GENSCAN
Start	785	End	2103
GI	none	Score	.79
Exons	785..853, 1055..1198, 1278..1349, 1494..1565, 1644..1784, 1833..1907, 1987..2103		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92875	Strand	+

Start	1	End	1096
Name	OJ000250_29.0309.C15.o1.gp	Method	AAT/GAP
Start	1	End	1096
GI	1450_1.R1084	Score	1501
Exons	1..156, 249..365, 465..554, 660..1096		
GI Descrip.	'4337177/gb|AAD18098| 1.0e-163 (AC006416) Identical to gb_Y10557 g5bf gene from Arabidopsis thaliana. ESTs gb_R30578, gb_R90475, gb_T22384, gb_T22425, gb_N64934 and gb_T46767 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92875	Strand	+
Start	1	End	1096
Name	OJ000250_29.0309.C15.o1.np	Method	AAT/NAP
Start	1	End	833
GI	3850621	Score	745
Exons	1..156, 249..365, 465..554, 660..833		
GI Descrip.	(Y15382) putative RNA binding protein [Arabidopsis thaliana]		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92875	Strand	+
Start	1	End	1096
Name	OJ000250_29.0309.C15.o1.gs	Method	GENSCAN
Start	249	End	836
GI	none	Score	.98
Exons	249..365, 465..554, 660..836		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92876	Strand	-
Start	1424	End	2345
Name	OJ000250_29.0309.C15.o1.tc	Method	TBLASTX:Cress
Start	1	End	827
GI	none	Score	255
Exons	1..156, 6..152, 7..156, 243..383, 248..373, 462..554, 464..550, 656..820, 657..827, 659..826, 696..827		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92876	Strand	-
Start	1424	End	2345
Name	OJ000250_29.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	859
GI	none	Score	279
Exons	1..156, 5..79, 6..158, 6..152, 116..157, 213..365, 243..383, 248..373, 462..554, 463..501, 464..562, 464..553, 653..859, 657..848		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92876	Strand	-
Start	1424	End	2345
Name	OJ000250_29.0309.C15.o1.ts	Method	TBLASTX:Soybean
Start	1	End	844
GI	none	Score	267
Exons	1..156, 6..152, 12..158, 243..383, 248..373, 462..554, 464..562, 464..553, 653..844, 657..836, 659..838		

Seq. No.	44134	Seq. ID	OJ000250_29.0309.C15
Gene No.	92876	Strand	-

Start	1424	End	2345
Name	OJ000250_29.0309.C15.o2.gs	Method	GENSCAN
Start	1424	End	2345
GI	none	Score	.62
Exons	1424..1560, 1949..2033, 2295..2345		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92877	Strand	+
Start	8547	End	10681
Name	OJ000250_29.0309.C16.o2.gs	Method	GENSCAN
Start	8547	End	10681
GI	none	Score	.7
Exons	8547..8713, 9631..9761, 10083..10198, 10244..10681		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o1.np	Method	AAT/NAP
Start	1	End	5058
GI	7228457	Score	1421
Exons	1..279, 500..649, 773..1589, 1627..2581, 2866..3487, 5035..5058		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	533	End	958
GI	none	Score	45
Exons	533..958, 561..707, 687..722, 759..926		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o2.tw	Method	TBLASTX:Wheat
Start	590	End	1012
GI	none	Score	217
Exons	590..1012, 594..914		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o2.tm	Method	TBLASTX:Maize
Start	686	End	1069
GI	none	Score	116
Exons	686..1069, 690..917		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o1.gs	Method	GENSCAN
Start	845	End	7255
GI	none	Score	.4
Exons	845..1464, 1782..2339, 2400..2668, 2737..3025, 3157..3246, 3363..3495, 3604..3963, 3994..4151, 4297..4864, 4899..5006,		

7196..7255

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	1097	End	1450
GI	none	Score	206
Exons	1097..1450, 1107..1391, 1148..1411		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o1.tw	Method	TBLASTX:Wheat
Start	1127	End	1580
GI	none	Score	268
Exons	1127..1486, 1128..1487, 1492..1521, 1512..1580, 1513..1572		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o3.tw	Method	TBLASTX:Wheat
Start	1792	End	2188
GI	none	Score	95
Exons	1792..1878, 1798..1878, 1817..1879, 1882..1998, 1979..2188, 2014..2184		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o4.tw	Method	TBLASTX:Wheat
Start	3137	End	3445
GI	none	Score	65
Exons	3137..3301, 3219..3359, 3350..3445, 3351..3443		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o2.ts	Method	TBLASTX:Soybean
Start	5842	End	6087
GI	none	Score	80
Exons	5842..6087, 5957..6040		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o2.np	Method	AAT/NAP
Start	5848	End	12277
GI	4544372	Score	92
Exons	5848..6090, 12254..12277		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	44135	Seq. ID	OJ000250_29.0309.C16
Gene No.	92878	Strand	-
Start	1	End	20873
Name	OJ000250_29.0309.C16.o3.gs	Method	GENSCAN

Start	11532	End	20873
GI	none	Score	.48
Exons	11532..11561, 11737..11820, 13164..13297, 15122..16400, 17063..17137, 18227..18334, 18938..19002, 19667..19976, 19984..20018, 20060..20277, 20362..20873		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92879	Strand	+
Start	367	End	942
Name	OJ000250_29.0309.C17.o1.gs	Method	GENSCAN
Start	367	End	942
GI	none	Score	.7
Exons	367..562, 857..942		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92880	Strand	+
Start	1549	End	8199
Name	OJ000250_29.0309.C17.o1.gp	Method	AAT/GAP
Start	1371	End	1752
GI	uC-osflcyp033a04b1	Score	659
Exons	1371..1752		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92880	Strand	+
Start	1549	End	8199
Name	OJ000250_29.0309.C17.o2.gs	Method	GENSCAN
Start	1549	End	8140
GI	none	Score	.76
Exons	1549..1620, 2635..2744, 2832..3089, 3251..3439, 3502..3526, 3695..4507, 4659..4878, 5065..6585, 6663..8140		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92880	Strand	+
Start	1549	End	8199
Name	OJ000250_29.0309.C17.o2.np	Method	AAT/NAP
Start	2635	End	4450
GI	6983858	Score	113
Exons	2635..3203, 4418..4450		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92880	Strand	+
Start	1549	End	8199
Name	OJ000250_29.0309.C17.o3.np	Method	AAT/NAP
Start	3692	End	8199
GI	4680179	Score	5231
Exons	3692..4766, 4800..8199		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92881	Strand	+
Start	8826	End	9811
Name	OJ000250_29.0309.C17.o3.gs	Method	GENSCAN
Start	8826	End	9811

GI	none	Score	.7
Exons	8826..9200, 9368..9431, 9726..9811		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92882	Strand	+
Start	10240	End	10621
Name	OJ000250_29.0309.C17.o2.gp	Method	AAT/GAP
Start	10240	End	10621
GI	uC-osflcyp033a04b1	Score	655
Exons	10240..10621		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92883	Strand	-
Start	1	End	13348
Name	OJ000250_29.0309.C17.o1.np	Method	AAT/NAP
Start	1	End	5265
GI	5852180	Score	514
Exons	1..451, 503..621, 1601..1666, 5215..5265		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92883	Strand	-
Start	1	End	13348
Name	OJ000250_29.0309.C17.o4.np	Method	AAT/NAP
Start	3963	End	10527
GI	5852180	Score	461
Exons	3963..4065, 8945..9490, 10470..10527		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92883	Strand	-
Start	1	End	13348
Name	OJ000250_29.0309.C17.o4.gs	Method	GENSCAN
Start	10161	End	13348
GI	none	Score	.5
Exons	10161..10371, 10470..10523, 11256..11263, 13277..13348		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o9.tw	Method	TBLASTX:Wheat
Start	3935	End	4126
GI	none	Score	199
Exons	3935..4126, 3958..4125		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o7.tw	Method	TBLASTX:Wheat
Start	4168	End	4519
GI	none	Score	292
Exons	4168..4362, 4169..4519		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-

Start	13587	End	13987
Name	OJ000250_29.0309.C17.o6.tm	Method	TBLASTX:Maize
Start	4169	End	4474
GI	none	Score	242
Exons	4169..4474, 4183..4299		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o8.tw	Method	TBLASTX:Wheat
Start	4827	End	5195
GI	none	Score	150
Exons	4827..5036, 4862..5035, 5081..5194, 5082..5195		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o4.tw	Method	TBLASTX:Wheat
Start	5360	End	5846
GI	none	Score	52
Exons	5360..5803, 5364..5414, 5469..5846		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o5.tm	Method	TBLASTX:Maize
Start	5375	End	5665
GI	none	Score	276
Exons	5375..5665, 5376..5663		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o3.tm	Method	TBLASTX:Maize
Start	5733	End	6233
GI	none	Score	165
Exons	5733..5912, 5741..5860, 5919..6233, 6061..6117, 6140..6190		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	5787	End	6182
GI	none	Score	57
Exons	5787..5819, 5789..5818, 5823..6182, 5824..5856, 5825..5860, 5906..6181, 5910..6182		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o5.tw	Method	TBLASTX:Wheat
Start	5895	End	6197
GI	none	Score	366
Exons	5895..6197, 5896..5967, 5906..6181		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-

Start	13587	End	13987
Name	OJ000250_29.0309.C17.o3.tw	Method	TBLASTX:Wheat
Start	6198	End	6623
GI	none	Score	594
Exons	6198..6623, 6230..6586, 6261..6623		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o3.ts	Method	TBLASTX:Soybean
Start	6204	End	6449
GI	none	Score	210
Exons	6204..6449, 6221..6448		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o2.tm	Method	TBLASTX:Maize
Start	6269	End	6632
GI	none	Score	479
Exons	6269..6571, 6270..6623, 6270..6632		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o2.tw	Method	TBLASTX:Wheat
Start	6653	End	7189
GI	none	Score	654
Exons	6653..7189, 6697..7188		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	6896	End	7213
GI	none	Score	92
Exons	6896..7069, 7070..7213, 7072..7212		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o2.ts	Method	TBLASTX:Soybean
Start	6977	End	7237
GI	none	Score	286
Exons	6977..7237, 6982..7236		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o4.tm	Method	TBLASTX:Maize
Start	7035	End	7327
GI	none	Score	87
Exons	7035..7190, 7036..7323, 7037..7327		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987

Name	OJ000250_29.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	7196	End	7822
GI	none	Score	674
Exons	7196..7822, 7252..7710, 7697..7819		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	7376	End	7975
GI	none	Score	218
Exons	7376..7537, 7384..7530, 7535..7975, 7537..7959		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o6.tw	Method	TBLASTX:Wheat
Start	7822	End	8155
GI	none	Score	344
Exons	7822..8088, 7823..8155, 7826..8113		

Seq. No.	44136	Seq. ID	OJ000250_29.0309.C17
Gene No.	92884	Strand	-
Start	13587	End	13987
Name	OJ000250_29.0309.C17.o5.np	Method	AAT/NAP
Start	13587	End	13987
GI	5852176	Score	72
Exons	13587..13705, 13960..13987		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92885	Strand	+
Start	2591	End	3314
Name	OJ000250_29.0309.C18.o3.np	Method	AAT/NAP
Start	2591	End	3314
GI	6983860	Score	471
Exons	2591..3314		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92886	Strand	+
Start	4436	End	5170
Name	OJ000250_29.0309.C18.o1.gp	Method	AAT/GAP
Start	4436	End	5170
GI	101153_1.R1084	Score	568
Exons	4436..4625, 4942..5170		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92887	Strand	+
Start	5188	End	5617
Name	OJ000250_29.0309.C18.o2.gp	Method	AAT/GAP
Start	5188	End	5617
GI	2428185	Score	809
Exons	5188..5617		

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92888	Strand	+
Start	6452	End	6693
Name	OJ000250_29.0309.C18.o5.np	Method	AAT/NAP
Start	6452	End	6693
GI	5902447	Score	226
Exons	6452..6693		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92889	Strand	-
Start	1	End	1474
Name	OJ000250_29.0309.C18.o1.np	Method	AAT/NAP
Start	1	End	1337
GI	5852176	Score	1189
Exons	1..182, 474..774, 829..1000, 1089..1337		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92889	Strand	-
Start	1	End	1474
Name	OJ000250_29.0309.C18.o1.gs	Method	GENSCAN
Start	17	End	1474
GI	none	Score	.55
Exons	17..182, 266..1000, 1089..1292, 1366..1474		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o2.tw	Method	TBLASTX:Wheat
Start	759	End	998
GI	none	Score	98
Exons	759..998, 874..996		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o1.tc	Method	TBLASTX:Cress
Start	795	End	2029
GI	none	Score	79
Exons	795..998, 813..995, 857..1003, 1358..1771, 1811..2029		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	795	End	998
GI	none	Score	202
Exons	795..998		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o1.ts	Method	TBLASTX:Soybean

Start	795	End	1008
GI	none	Score	39
Exons	795..881, 886..915, 888..1007, 897..1007, 949..1008		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o1.tw	Method	TBLASTX:Wheat
Start	2679	End	2961
GI	none	Score	241
Exons	2679..2927, 2681..2857, 2896..2961		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o2.tm	Method	TBLASTX:Maize
Start	2679	End	2978
GI	none	Score	202
Exons	2679..2927, 2681..2842, 2892..2978		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o4.np	Method	AAT/NAP
Start	4406	End	6693
GI	5852180	Score	322
Exons	4406..4775, 5786..5863, 6627..6693		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44137	Seq. ID	OJ000250_29.0309.C18
Gene No.	92890	Strand	-
Start	4406	End	6693
Name	OJ000250_29.0309.C18.o3.gp	Method	AAT/GAP
Start	6144	End	6435
GI	61605_3.R1084	Score	415
Exons	6144..6435		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	44138	Seq. ID	OJ000250_29.0309.C19
Gene No.	92891	Strand	-
Start	1	End	789
Name	OJ000250_29.0309.C19.o1.np	Method	AAT/NAP
Start	1	End	789
GI	5852176	Score	656
Exons	1..41, 285..515, 588..789		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	44138	Seq. ID	OJ000250_29.0309.C19
Gene No.	92891	Strand	-
Start	1	End	789
Name	OJ000250_29.0309.C19.o1.gs	Method	GENSCAN
Start	59	End	744
GI	none	Score	.77
Exons	59..165, 259..515, 588..744		

Seq. No.	44139	Seq. ID	OJ000250_29.0309.C26

Gene No.	92892	Strand	+
Start	747	End	1040
Name	OJ000250_29.0309.C26.o1.gs	Method	GENSCAN
Start	747	End	1040
GI	none	Score	.53
Exons	747..877, 926..1040		

Seq. No.	44140	Seq. ID	OJ000250_29.0309.C27
Gene No.	92893	Strand	+
Start	516	End	995
Name	OJ000250_29.0309.C27.o1.np	Method	AAT/NAP
Start	516	End	995
GI	7106512	Score	156
Exons	516..576, 650..793, 917..995		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92894	Strand	+
Start	1	End	2738
Name	OJ000250_29.0309.C28.o1.np	Method	AAT/NAP
Start	1	End	2731
GI	7106512	Score	1417
Exons	1..27, 136..1042, 1797..2295, 2350..2731		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92894	Strand	+
Start	1	End	2738
Name	OJ000250_29.0309.C28.o1.gs	Method	GENSCAN
Start	125	End	2738
GI	none	Score	.65
Exons	125..546, 642..836, 842..1042, 1865..1969, 2043..2295, 2320..2738		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92895	Strand	+
Start	3350	End	10949
Name	OJ000250_29.0309.C28.o2.gs	Method	GENSCAN
Start	3350	End	10930
GI	none	Score	.68
Exons	3350..3544, 3718..3826, 5542..6030, 6112..6146, 8576..8647, 10283..10358, 10485..10930		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92895	Strand	+
Start	3350	End	10949
Name	OJ000250_29.0309.C28.o1.gp	Method	AAT/GAP
Start	9943	End	10704
GI	20519_1.R1084	Score	788
Exons	9943..10094, 10283..10358, 10485..10704		
GI Descrip.	'1922242/emb|CAA71173| 4.0e-16 (Y10084) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92895	Strand	+

Start	3350	End	10949
Name	OJ000250_29.0309.C28.o3.np	Method	AAT/NAP
Start	10277	End	10949
GI	1922242	Score	272
Exons	10277..10358, 10485..10813, 10919..10949		
GI Descrip.	(Y10084) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92896	Strand	-
Start	3326	End	3578
Name	OJ000250_29.0309.C28.o2.np	Method	AAT/NAP
Start	3326	End	3578
GI	7106513	Score	170
Exons	3326..3434, 3535..3578		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92897	Strand	
Start	8806	End	9039
Name	OJ000250_29.0309.C28.o3.tm	Method	TBLASTX:Maize
Start	8806	End	9039
GI	none	Score	77
Exons	8806..9039, 8891..9037		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92898	Strand	
Start	9117	End	9682
Name	OJ000250_29.0309.C28.o1.tw	Method	TBLASTX:Wheat
Start	9117	End	9483
GI	none	Score	72
Exons	9117..9167, 9185..9283, 9186..9266, 9301..9483		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92898	Strand	
Start	9117	End	9682
Name	OJ000250_29.0309.C28.o1.tm	Method	TBLASTX:Maize
Start	9214	End	9682
GI	none	Score	52
Exons	9214..9681, 9240..9296, 9320..9682		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92899	Strand	
Start	10277	End	10624
Name	OJ000250_29.0309.C28.o1.tc	Method	TBLASTX:Cress
Start	10277	End	10624
GI	none	Score	91
Exons	10277..10369, 10484..10624, 10484..10612		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92899	Strand	
Start	10277	End	10624
Name	OJ000250_29.0309.C28.o1.ts	Method	TBLASTX:Soybean
Start	10277	End	10624
GI	none	Score	98
Exons	10277..10360, 10478..10576, 10574..10624		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28

Gene No.	92899	Strand	
Start	10277	End	10624
Name	OJ000250_29.0309.C28.o2.tm	Method	TBLASTX:Maize
Start	10280	End	10573
GI	none	Score	118
Exons	10280..10363, 10282..10365, 10484..10573, 10484..10573		

Seq. No.	44141	Seq. ID	OJ000250_29.0309.C28
Gene No.	92899	Strand	
Start	10277	End	10624
Name	OJ000250_29.0309.C28.o2.tw	Method	TBLASTX:Wheat
Start	10280	End	10606
GI	none	Score	113
Exons	10280..10360, 10282..10362, 10484..10528, 10484..10528, 10529..10576, 10529..10576, 10574..10606, 10583..10606		

Seq. No.	44142	Seq. ID	OJ000250_29.0309.C29
Gene No.	92900	Strand	+
Start	54	End	4812
Name	OJ000250_29.0309.C29.o1.gs	Method	GENSCAN
Start	54	End	4812
GI	none	Score	.83
Exons	54..177, 1154..1783, 1924..2027, 2126..2733, 4606..4812		

Seq. No.	44142	Seq. ID	OJ000250_29.0309.C29
Gene No.	92901	Strand	+
Start	13115	End	14580
Name	OJ000250_29.0309.C29.o4.gs	Method	GENSCAN
Start	13115	End	14580
GI	none	Score	.89
Exons	13115..13132, 13345..13545, 14428..14580		

Seq. No.	44142	Seq. ID	OJ000250_29.0309.C29
Gene No.	92901	Strand	+
Start	13115	End	14580
Name	OJ000250_29.0309.C29.o2.np	Method	AAT/NAP
Start	13431	End	13511
GI	5852084	Score	67
Exons	13431..13511		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44142	Seq. ID	OJ000250_29.0309.C29
Gene No.	92902	Strand	-
Start	7650	End	11488
Name	OJ000250_29.0309.C29.o3.gs	Method	GENSCAN
Start	7650	End	11488
GI	none	Score	.68
Exons	7650..7862, 10178..10211, 10385..10493, 11154..11383, 11442..11488		

Seq. No.	44142	Seq. ID	OJ000250_29.0309.C29
Gene No.	92903	Strand	-
Start	19556	End	19715
Name	OJ000250_29.0309.C29.o6.gs	Method	GENSCAN
Start	19556	End	19715
GI	none	Score	.59
Exons	19556..19715		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92904	Strand	+
Start	80	End	268
Name	OJ000250_29.0309.C30.o1.gs	Method	GENSCAN
Start	80	End	268
GI	none	Score	.54
Exons	80..188, 225..268		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92905	Strand	+
Start	7816	End	8342
Name	OJ000250_29.0309.C30.o3.np	Method	AAT/NAP
Start	7816	End	8342
GI	7228450	Score	155
Exons	7816..7877, 8026..8143, 8229..8342		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92906	Strand	+
Start	11569	End	11921
Name	OJ000250_29.0309.C30.o4.np	Method	AAT/NAP
Start	11569	End	11921
GI	6721512	Score	172
Exons	11569..11683, 11711..11845, 11885..11921		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92907	Strand	+
Start	12616	End	15939
Name	OJ000250_29.0309.C30.o5.gs	Method	GENSCAN
Start	12616	End	15939
GI	none	Score	.73
Exons	12616..12688, 14072..14143, 14508..14701, 15000..15085, 15272..15648, 15878..15939		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92907	Strand	+
Start	12616	End	15939
Name	OJ000250_29.0309.C30.o6.np	Method	AAT/NAP
Start	14708	End	15735
GI	6907089	Score	252
Exons	14708..14854, 15124..15735		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92908	Strand	-
Start	611	End	5231
Name	OJ000250_29.0309.C30.o2.gs	Method	GENSCAN
Start	611	End	4638
GI	none	Score	.49
Exons	611..615, 786..1002, 1042..4638		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92908	Strand	-
Start	611	End	5231
Name	OJ000250_29.0309.C30.o1.np	Method	AAT/NAP

Start	667	End	5231
GI	6623973	Score	2638
Exons	667..4617, 5137..5231		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92909	Strand	-
Start	10806	End	12510
Name	OJ000250_29.0309.C30.o4.gs	Method	GENSCAN
Start	10806	End	12510
GI	none	Score	.54
Exons	10806..11294, 11769..11965, 11976..12037, 12170..12510		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o1.tc	Method	TBLASTX:Cress
Start	676	End	1278
GI	none	Score	64
Exons	676..888, 904..1041, 1051..1155, 1150..1278		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o1.tm	Method	TBLASTX:Maize
Start	676	End	1098
GI	none	Score	301
Exons	676..1098, 680..1081		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o2.ts	Method	TBLASTX:Soybean
Start	679	End	1077
GI	none	Score	53
Exons	679..792, 686..784, 802..1077, 805..1068, 815..1075		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o4.tw	Method	TBLASTX:Wheat
Start	703	End	1156
GI	none	Score	63
Exons	703..903, 704..892, 919..1071, 922..1125, 935..1156		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o2.tm	Method	TBLASTX:Maize
Start	1149	End	1599
GI	none	Score	86
Exons	1149..1400, 1154..1465, 1162..1479, 1172..1465, 1384..1479, 1441..1599, 1511..1591		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-

Start	12473	End	14568
Name	OJ000250_29.0309.C30.o2.tw	Method	TBLASTX:Wheat
Start	1252	End	1872
GI	none	Score	69
Exons	1252..1596, 1417..1635, 1702..1872		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o1.ts	Method	TBLASTX:Soybean
Start	1620	End	2010
GI	none	Score	123
Exons	1620..1886, 1662..1886, 1663..2010, 1718..2008		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o4.tm	Method	TBLASTX:Maize
Start	1654	End	2035
GI	none	Score	96
Exons	1654..2034, 1739..2035		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o3.tc	Method	TBLASTX:Cress
Start	1828	End	2034
GI	none	Score	65
Exons	1828..2034, 1862..2029		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o1.tw	Method	TBLASTX:Wheat
Start	1874	End	2302
GI	none	Score	420
Exons	1874..2302, 1876..2301		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o2.tc	Method	TBLASTX:Cress
Start	2392	End	2934
GI	none	Score	62
Exons	2392..2562, 2582..2644, 2656..2934		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o3.ts	Method	TBLASTX:Soybean
Start	2503	End	2967
GI	none	Score	135
Exons	2503..2652, 2638..2967, 2639..2959		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568

Name	OJ000250_29.0309.C30.o3.tw	Method	TBLASTX:Wheat
Start	2614	End	3202
GI	none	Score	148
Exons	2614..2643, 2657..2716, 2749..3201, 2825..3202		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o3.tm	Method	TBLASTX:Maize
Start	2716	End	3210
GI	none	Score	105
Exons	2716..3210, 2774..3076		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o5.tw	Method	TBLASTX:Wheat
Start	3881	End	4291
GI	none	Score	46
Exons	3881..3940, 4006..4059, 4048..4170, 4059..4115, 4143..4289, 4144..4290, 4145..4291		

Seq. No.	44143	Seq. ID	OJ000250_29.0309.C30
Gene No.	92910	Strand	-
Start	12473	End	14568
Name	OJ000250_29.0309.C30.o5.np	Method	AAT/NAP
Start	12473	End	14568
GI	7523517	Score	225
Exons	12473..12521, 14079..14124, 14275..14568		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92911	Strand	+
Start	1	End	2004
Name	OJ000250_29.0309.C31.o1.np	Method	AAT/NAP
Start	1	End	1125
GI	6721561	Score	845
Exons	1..151, 222..280, 350..1125		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92911	Strand	+
Start	1	End	2004
Name	OJ000250_29.0309.C31.o1.gs	Method	GENSCAN
Start	76	End	2004
GI	none	Score	.71
Exons	76..151, 172..280, 460..793, 818..993, 1242..1387, 1487..2004		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92912	Strand	+
Start	11432	End	13205
Name	OJ000250_29.0309.C31.o4.np	Method	AAT/NAP
Start	11432	End	13205

GI	5852180	Score	557
Exons	11432..11502, 12439..12556, 12608..13016, 13156..13205		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92912	Strand	+
Start	11432	End	13205
Name	OJ000250_29.0309.C31.o4.gs	Method	GENSCAN
Start	12601	End	13155
GI	none	Score	.97
Exons	12601..13155		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92913	Strand	-
Start	2611	End	9090
Name	OJ000250_29.0309.C31.o2.np	Method	AAT/NAP
Start	2611	End	9090
GI	5902445	Score	2972
Exons	2611..3857, 3897..4448, 7807..9090		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o3.tw	Method	TBLASTX:Wheat
Start	2620	End	3228
GI	none	Score	72
Exons	2620..2751, 2776..3228, 2972..3079, 3128..3214		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o3.tm	Method	TBLASTX:Maize
Start	3205	End	3580
GI	none	Score	64
Exons	3205..3318, 3339..3473, 3341..3580		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o5.tw	Method	TBLASTX:Wheat
Start	3250	End	3589
GI	none	Score	48
Exons	3250..3327, 3260..3331, 3335..3589, 3363..3503		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o4.tm	Method	TBLASTX:Maize
Start	3585	End	3851
GI	none	Score	86
Exons	3585..3851, 3592..3732		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o6.tw	Method	TBLASTX:Wheat

Start	4014	End	4388
GI	none	Score	76
Exons	4014..4388, 4156..4323		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o7.tw	Method	TBLASTX:Wheat
Start	7846	End	8086
GI	none	Score	78
Exons	7846..8085, 7856..8086		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o1.ts	Method	TBLASTX:Soybean
Start	8095	End	8520
GI	none	Score	87
Exons	8095..8520, 8336..8461		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o2.tw	Method	TBLASTX:Wheat
Start	8150	End	8574
GI	none	Score	248
Exons	8150..8464, 8152..8574, 8185..8571		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o2.tm	Method	TBLASTX:Maize
Start	8248	End	8631
GI	none	Score	112
Exons	8248..8631, 8249..8464		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o1.tm	Method	TBLASTX:Maize
Start	8659	End	9015
GI	none	Score	210
Exons	8659..9015, 8660..8953		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o1.tw	Method	TBLASTX:Wheat
Start	8689	End	9145
GI	none	Score	352
Exons	8689..9144, 8690..9145		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o3.np	Method	AAT/NAP
Start	9157	End	10650

GI	5902444	Score	843
Exons	9157..10650		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o4.tw	Method	TBLASTX:Wheat
Start	9337	End	9792
GI	none	Score	149
Exons	9337..9573, 9347..9571, 9610..9792, 9611..9781		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o3.gs	Method	GENSCAN
Start	9415	End	11554
GI	none	Score	.95
Exons	9415..9655, 9704..10571, 10686..10706, 11479..11554		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o8.tw	Method	TBLASTX:Wheat
Start	10423	End	10650
GI	none	Score	92
Exons	10423..10650, 10424..10648		

Seq. No.	44144	Seq. ID	OJ000250_29.0309.C31
Gene No.	92914	Strand	-
Start	9157	End	11732
Name	OJ000250_29.0309.C31.o1.gp	Method	AAT/GAP
Start	11351	End	11732
GI	uC-osflcyp033a04b1	Score	691
Exons	11351..11732		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44145	Seq. ID	OJ000250_29.0309.C32
Gene No.	92915	Strand	-
Start	1	End	2184
Name	OJ000250_29.0309.C32.o1.np	Method	AAT/NAP
Start	1	End	2155
GI	5042454	Score	146
Exons	1..366, 2126..2155		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44145	Seq. ID	OJ000250_29.0309.C32
Gene No.	92915	Strand	-
Start	1	End	2184
Name	OJ000250_29.0309.C32.o1.gs	Method	GENSCAN
Start	151	End	1740
GI	none	Score	.9
Exons	151..541, 575..629, 691..897, 944..1041, 1068..1622, 1667..1740		

Seq. No.	44145	Seq. ID	OJ000250_29.0309.C32
Gene No.	92915	Strand	-

Start	1	End	2184
Name	OJ000250_29.0309.C32.o2.np	Method	AAT/NAP
Start	1680	End	2184
GI	7523517	Score	225
Exons	1680..1740, 1885..2184		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44146	Seq. ID	OJ000250_29.0309.C33
Gene No.	92916	Strand	+
Start	6039	End	6964
Name	OJ000250_29.0309.C33.o1.np	Method	AAT/NAP
Start	6039	End	6964
GI	5852176	Score	309
Exons	6039..6182, 6792..6964		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92917	Strand	+
Start	23	End	818
Name	OJ000250_24.0303.C1.o1.gs	Method	GENSCAN
Start	23	End	818
GI	none	Score	.64
Exons	23..302, 551..667, 724..818		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92918	Strand	+
Start	9226	End	12231
Name	OJ000250_24.0303.C1.o2.np	Method	AAT/NAP
Start	9226	End	12231
GI	4680186	Score	369
Exons	9226..9252, 11315..11471, 12075..12231		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92919	Strand	-
Start	1441	End	3061
Name	OJ000250_24.0303.C1.o2.gs	Method	GENSCAN
Start	1441	End	3061
GI	none	Score	.47
Exons	1441..1902, 2156..2402, 2928..3061		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o1.np	Method	AAT/NAP
Start	5615	End	10580
GI	3894383	Score	949
Exons	5615..5669, 6834..9262, 10527..10580		
GI Descrip.	(AF053993) disease resistance protein [Lycopersicon esculentum]		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o1.ts	Method	TBLASTX:Soybean
Start	7050	End	9248
GI	none	Score	68
Exons	7050..7109, 7155..7454, 7155..7418, 7155..7325, 7155..7325,		

7155..7403, 7227..7421, 7716..7847, 7722..8012, 7869..8012,
7872..8000, 7872..7991, 7873..7980, 7873..7989, 8052..8177,
8052..8174, 8064..8174, 8076..8177, 8076..8168, 8077..8175,
8091..8177, 8092..8334, 8224..8406, 8235..8801, 8235..8798,
8235..8354, 8235..8381, 8317..8382, 8322..8801, 8373..8780,
8373..8768, 8373..8576, 8373..8717, 8380..8577, 8382..8900,
8383..8529, 8484..8603, 8659..8694, 8808..9242, 8808..9200,
8814..8897, 8967..9248, 8970..9224, 8970..9224, 9033..9224

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o1.tw	Method	TBLASTX:Wheat
Start	7066	End	9233
GI	none	Score	335
Exons	7066..7479, 7080..7484, 7229..7480, 8382..8669, 8526..8780, 9033..9233		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o1.tc	Method	TBLASTX:Cress
Start	7104	End	9338
GI	none	Score	54
Exons	7104..7394, 7149..7418, 7152..7304, 7155..7202, 7155..7418, 7155..7286, 7155..7322, 7155..7328, 7156..7194, 7156..7278, 7209..7499, 7221..7409, 7228..7377, 7725..7847, 7725..7844, 7725..7847, 7725..7844, 7857..8003, 7872..7994, 7872..8003, 7872..7994, 7872..7991, 7872..7973, 7872..7994, 7872..7994, 7941..8000, 8079..8354, 8082..8354, 8229..8414, 8232..8582, 8235..8408, 8235..8333, 8238..8405, 8373..8798, 8373..8789, 8373..8603, 8382..8528, 8382..8801, 8382..8798, 8439..8657, 8442..8501, 8454..8750, 8505..8765, 8508..9017, 8574..8801, 8596..8646, 8601..8759, 8619..8867, 8670..8783, 8742..8789, 8775..9242, 8808..9110, 8814..9224, 8817..9224, 8817..9017, 8970..9092, 8970..9161, 8970..9194, 8970..9245, 9054..9224, 9102..9242, 9105..9155, 9177..9257, 9312..9338		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o1.tm	Method	TBLASTX:Maize
Start	7167	End	9233
GI	none	Score	229
Exons	7167..7265, 7260..7487, 7261..7479, 7262..7486, 7298..7495, 7314..7496, 7500..7658, 7543..7656, 7545..7778, 7549..7767, 7722..7775, 7884..7976, 8061..8168, 8235..8414, 8499..8645, 8568..8708, 9000..9155, 9078..9233		

Seq. No.	44147	Seq. ID	OJ000250_24.0303.C1
Gene No.	92920	Strand	-
Start	5615	End	14563
Name	OJ000250_24.0303.C1.o3.np	Method	AAT/NAP
Start	9766	End	14563
GI	5734709	Score	154
Exons	9766..9817, 12008..12084, 13039..13458, 13618..13928, 14504..14563		

GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		
Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o7.np	Method	AAT/NAP
Start	1123	End	32364
GI	7106516	Score	215
Exons	1123..1219, 1549..1688, 11179..11264, 16527..16583, 18943..19110, 32283..32364		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o2.gs	Method	GENSCAN
Start	3649	End	4140
GI	none	Score	.96
Exons	3649..3658, 4067..4140		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o1.gp	Method	AAT/GAP
Start	3932	End	4441
GI	38782_1.R1084	Score	801
Exons	3932..4441		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o3.gs	Method	GENSCAN
Start	5927	End	6712
GI	none	Score	1
Exons	5927..6253, 6341..6712		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o3.np	Method	AAT/NAP
Start	5930	End	6706
GI	2190992	Score	715
Exons	5930..6253, 6341..6706		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o4.gs	Method	GENSCAN
Start	8350	End	9184
GI	none	Score	.99
Exons	8350..8676, 8804..9184		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2

Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o5.np	Method	AAT/NAP
Start	8353	End	12061
GI	4127348	Score	789
Exons	8353..8676, 11678..12061		
GI Descrip.	(AJ010449) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o2.gp	Method	AAT/GAP
Start	11029	End	11744
GI	11703_4.R1084	Score	843
Exons	11029..11449, 11678..11744		
GI Descrip.	'4127350/emb|CAA09189| 2.0e-36 (AJ010450) glutathione transferase [Alopecurus myosuroides]'		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o5.gs	Method	GENSCAN
Start	11117	End	12064
GI	none	Score	.83
Exons	11117..11449, 11678..12064		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o6.np	Method	AAT/NAP
Start	14295	End	15097
GI	6652870	Score	559
Exons	14295..14624, 14722..15097		
GI Descrip.	(AF118924) glutathione S-transferase 1 [Papaver somniferum] gi|6652872|gb|AAF22518.1|AF118925_1 (AF118925) glutathione S-transferase 2 [Papaver somniferum]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o6.gs	Method	GENSCAN
Start	14298	End	18221
GI	none	Score	.5
Exons	14298..14624, 14722..15034, 15171..15248, 15980..16041, 16233..16401, 17923..18221		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o3.gp	Method	AAT/GAP
Start	14532	End	15274
GI	80738_1.R1084	Score	1130
Exons	14532..14624, 14722..15274		
GI Descrip.	'2190992 1.0e-33 (AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]'		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2

Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o7.gs	Method	GENSCAN
Start	18629	End	31285
GI	none	Score	.44
Exons	18629..18690, 18969..19101, 20598..20686, 21083..21281, 21418..21484, 21532..21651, 23445..23564, 23637..23990, 26501..26642, 26791..26891, 27153..27419, 27679..27872, 28101..28278, 29429..29892, 29984..30319, 31226..31285		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o8.np	Method	AAT/NAP
Start	18999	End	22911
GI	4680186	Score	393
Exons	18999..19096, 21090..21246, 21852..22084, 22747..22911		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o9.np	Method	AAT/NAP
Start	23031	End	28331
GI	6069653	Score	1013
Exons	23031..23234, 23269..24086, 26591..27520, 28153..28331		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o5.gp	Method	AAT/GAP
Start	29491	End	29872
GI	11703_6.R1084	Score	756
Exons	29491..29872		
GI Descrip.	'3319884/emb|CAA11891| 4.0e-09 (AJ224306) PRT1 [Arabidopsis thaliana] >gi_3319886_emb_CAA11892_ (AJ224307) PRT1 [Arabidopsis thaliana]'		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o10.np	Method	AAT/NAP
Start	29569	End	30349
GI	2190992	Score	705
Exons	29569..29892, 29984..30349		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92921	Strand	+
Start	1123	End	32364
Name	OJ000250_24.0303.C2.o12.np	Method	AAT/NAP
Start	30913	End	32364
GI	4680186	Score	101
Exons	30913..30936, 32261..32364		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92922	Strand	-
Start	814	End	2496
Name	OJ000250_24.0303.C2.o1.np	Method	AAT/NAP
Start	814	End	2496
GI	6907086	Score	1338
Exons	814..1285, 1525..1708, 1766..2496		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92923	Strand	-
Start	3211	End	4192
Name	OJ000250_24.0303.C2.o2.np	Method	AAT/NAP
Start	3211	End	4192
GI	4680186	Score	209
Exons	3211..3626, 4129..4192		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92924	Strand	-
Start	7681	End	7838
Name	OJ000250_24.0303.C2.o4.np	Method	AAT/NAP
Start	7681	End	7838
GI	7488297	Score	77
Exons	7681..7838		
GI Descrip.	reverse transcriptase homolog F21E10.8 - Arabidopsis thaliana gi|3047081|gb|AAC13594.1| (AF058914) contains similarity to reverse-transcriptase-like proteins [Arabidopsis thaliana]		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o2.tw	Method	TBLASTX:Wheat
Start	370	End	663
GI	none	Score	113
Exons	370..663, 391..540, 565..663		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	385	End	656
GI	none	Score	133
Exons	385..654, 390..656, 391..654, 422..655		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	5933	End	30109
GI	none	Score	382
Exons	5933..6247, 5933..6151, 5971..6234, 8355..8558, 8356..8679, 8388..8675, 11123..11359, 11139..11282, 11261..11338, 11402..11452, 11714..11803, 14277..14627, 14316..14495, 14336..14623, 29562..29801, 29566..29895, 29598..29873, 29701..29892, 29999..30109		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	5936	End	30313
GI	none	Score	453
Exons	5936..6250, 5936..6151, 5971..6252, 6368..6454, 6458..6700, 6460..6681, 8361..8561, 8362..8703, 8362..8424, 8388..8432, 8497..8547, 8502..8675, 8641..8703, 8899..9129, 8921..9124, 8986..9159, 9042..9158, 11127..11270, 11129..11359, 11263..11346, 11402..11452, 11417..11452, 11711..11791, 11758..11790, 11795..12013, 11797..12012, 14292..14627, 14295..14639, 14755..14835, 14839..15051, 14841..15056, 14863..15069, 14942..15076, 29524..29922, 29575..29637, 29598..29891, 29701..29907, 30016..30093, 30017..30097, 30101..30313, 30101..30256		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	5939	End	29907
GI	none	Score	318
Exons	5939..6151, 5945..6250, 6079..6249, 8359..8676, 8502..8672, 11126..11359, 11402..11449, 14316..14624, 14441..14620, 29587..29907, 29718..29888		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o1.tw	Method	TBLASTX:Wheat
Start	5974	End	30187
GI	none	Score	374
Exons	5974..6255, 5975..6250, 6377..6544, 6451..6543, 6452..6544, 8397..8558, 8398..8682, 8502..8678, 8803..9006, 8885..9007, 11165..11359, 11166..11282, 11263..11346, 11402..11452, 11420..11449, 11677..11880, 11690..11881, 11780..11881, 14346..14630, 14364..14624, 14444..14626, 14712..14924, 14719..14925, 29613..29807, 29614..29898, 29701..29892, 29981..30187, 29983..30186, 30098..30187		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o2.tc	Method	TBLASTX:Cress
Start	6287	End	30310
GI	none	Score	224
Exons	6287..6694, 6457..6543, 8894..9112, 8896..9126, 11675..12004, 11677..11997, 14737..15048, 14754..14894, 29990..30310, 30016..30156		

Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o2.ts	Method	TBLASTX:Soybean
Start	6380	End	30313
GI	none	Score	222

Exons	6380..6703, 8894..9124, 8923..9129, 11807..12016, 11809..12072, 14749..15051, 14760..15059, 30113..30313		
Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o3.tm	Method	TBLASTX:Maize
Start	7605	End	7884
GI	none	Score	96
Exons	7605..7877, 7756..7884		
Seq. No.	44148	Seq. ID	OJ000250_24.0303.C2
Gene No.	92925	Strand	-
Start	24214	End	30313
Name	OJ000250_24.0303.C2.o4.gp	Method	AAT/GAP
Start	24214	End	24385
GI	LIB3433-026-P1-K1-C1	Score	246
Exons	24214..24385		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	44149	Seq. ID	OJ000250_24.0303.C3
Gene No.	92926	Strand	+
Start	1339	End	4283
Name	OJ000250_24.0303.C3.o1.np	Method	AAT/NAP
Start	1339	End	4283
GI	4680186	Score	199
Exons	1339..1383, 2721..2953, 3535..3597, 4226..4283		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	44149	Seq. ID	OJ000250_24.0303.C3
Gene No.	92927	Strand	+
Start	4638	End	6806
Name	OJ000250_24.0303.C3.o2.np	Method	AAT/NAP
Start	4638	End	6806
GI	6069653	Score	1479
Exons	4638..4845, 4880..5708, 5736..6806		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	44149	Seq. ID	OJ000250_24.0303.C3
Gene No.	92928	Strand	-
Start	619	End	7819
Name	OJ000250_24.0303.C3.o1.gs	Method	GENSCAN
Start	619	End	7819
GI	none	Score	.66
Exons	619..1755, 1879..2052, 3144..3266, 3963..4081, 4280..4331, 4979..5163, 5783..6029, 6120..6336, 7734..7819		
Seq. No.	44149	Seq. ID	OJ000250_24.0303.C3
Gene No.	92928	Strand	-
Start	619	End	7819
Name	OJ000250_24.0303.C3.o1.gp	Method	AAT/GAP
Start	3022	End	3448
GI	4878407	Score	676
Exons	3022..3448		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92929	Strand	+
Start	26	End	1879
Name	OJ000250_24.0303.C7.o1.gs	Method	GENSCAN
Start	26	End	1879
GI	none	Score	.97
Exons	26..35, 1806..1879		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92930	Strand	+
Start	2698	End	8306
Name	OJ000250_24.0303.C7.o1.np	Method	AAT/NAP
Start	2698	End	8306
GI	4680179	Score	4099
Exons	2698..2827, 3915..4790, 4893..8306		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92931	Strand	+
Start	10037	End	11942
Name	OJ000250_24.0303.C7.o2.np	Method	AAT/NAP
Start	9832	End	11942
GI	6907086	Score	1105
Exons	9832..10616, 10680..10911, 11139..11238, 11555..11719, 11796..11942		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92931	Strand	+
Start	10037	End	11942
Name	OJ000250_24.0303.C7.o4.gs	Method	GENSCAN
Start	10037	End	10582
GI	none	Score	.9
Exons	10037..10582		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92932	Strand	-
Start	8243	End	8837
Name	OJ000250_24.0303.C7.o3.gs	Method	GENSCAN
Start	8243	End	8837
GI	none	Score	.86
Exons	8243..8316, 8783..8837		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o7.tw	Method	TBLASTX:Wheat
Start	3965	End	4330
GI	none	Score	265
Exons	3965..4330		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o6.tm	Method	TBLASTX:Maize
Start	4211	End	4612

GI	none	Score	220
Exons	4211..4612, 4211..4456		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o7.tm	Method	TBLASTX:Maize
Start	4925	End	5245
GI	none	Score	199
Exons	4925..5245		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o6.tw	Method	TBLASTX:Wheat
Start	4928	End	5326
GI	none	Score	166
Exons	4928..5149, 4928..4981, 4972..5082, 5158..5304, 5162..5326		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o4.tw	Method	TBLASTX:Wheat
Start	5473	End	5956
GI	none	Score	502
Exons	5473..5772, 5474..5956, 5588..5947		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o5.tm	Method	TBLASTX:Maize
Start	5491	End	5773
GI	none	Score	311
Exons	5491..5703, 5492..5773, 5582..5770		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o3.tm	Method	TBLASTX:Maize
Start	5843	End	6343
GI	none	Score	163
Exons	5843..6022, 6008..6343		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o1.ts	Method	TBLASTX:Soybean
Start	5897	End	6292
GI	none	Score	56
Exons	5897..5929, 5897..5926, 5933..6292, 5933..6241		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o5.tw	Method	TBLASTX:Wheat
Start	6005	End	6301
GI	none	Score	361

Exons	6005..6301, 6005..6262, 6043..6264, 6126..6281		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o2.tw	Method	TBLASTX:Wheat
Start	6307	End	6733
GI	none	Score	602
Exons	6307..6732, 6308..6733		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o3.ts	Method	TBLASTX:Soybean
Start	6314	End	6559
GI	none	Score	213
Exons	6314..6559		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o2.tm	Method	TBLASTX:Maize
Start	6380	End	6733
GI	none	Score	470
Exons	6380..6733, 6382..6732		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o3.tw	Method	TBLASTX:Wheat
Start	6776	End	7300
GI	none	Score	580
Exons	6776..7300, 6949..7296		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o1.tc	Method	TBLASTX:Cress
Start	7007	End	7324
GI	none	Score	94
Exons	7007..7180, 7028..7180, 7181..7324, 7183..7308		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o2.ts	Method	TBLASTX:Soybean
Start	7093	End	7348
GI	none	Score	297
Exons	7093..7347, 7100..7348, 7220..7348		
Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o4.tm	Method	TBLASTX:Maize
Start	7146	End	7438
GI	none	Score	70
Exons	7146..7280, 7148..7438, 7159..7434		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o1.tw	Method	TBLASTX:Wheat
Start	7307	End	7933
GI	none	Score	620
Exons	7307..7933, 7363..7788		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o1.tm	Method	TBLASTX:Maize
Start	7486	End	7978
GI	none	Score	79
Exons	7486..7638, 7487..7639, 7490..7648, 7495..7641, 7644..7697, 7645..7698, 7645..7788, 7646..7978, 7782..7886, 7873..7977		

Seq. No.	44150	Seq. ID	OJ000250_24.0303.C7
Gene No.	92933	Strand	-
Start	11364	End	12524
Name	OJ000250_24.0303.C7.o5.gs	Method	GENSCAN
Start	11364	End	12524
GI	none	Score	.49
Exons	11364..11664, 11935..12075, 12448..12524		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92934	Strand	+
Start	375	End	448
Name	OJ000250_24.0303.C10.o1.gs	Method	GENSCAN
Start	375	End	448
GI	none	Score	.65
Exons	375..448		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92935	Strand	+
Start	3746	End	12221
Name	OJ000250_24.0303.C10.o3.np	Method	AAT/NAP
Start	3746	End	12221
GI	5852180	Score	354
Exons	3746..3945, 4239..4600, 7922..8127, 9542..9748, 10710..10762, 11743..11861, 11913..12221		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92935	Strand	+
Start	3746	End	12221
Name	OJ000250_24.0303.C10.o4.np	Method	AAT/NAP
Start	10710	End	12221
GI	5852180	Score	337
Exons	10710..10762, 11743..11861, 11913..12221		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92936	Strand	-
Start	1834	End	2215
Name	OJ000250_24.0303.C10.o1.gp	Method	AAT/GAP

Start	1834	End	2215
GI	uC-osflcyp033a04b1	Score	663
Exons	1834..2215		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92937	Strand	-
Start	4210	End	8666
Name	OJ000250_24.0303.C10.o1.np	Method	AAT/NAP
Start	4210	End	8666
GI	4680179	Score	5214
Exons	4210..7607, 7641..8666		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o6.tw	Method	TBLASTX:Wheat
Start	4255	End	4588
GI	none	Score	135
Exons	4255..4587, 4319..4588		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o1.tm	Method	TBLASTX:Maize
Start	4456	End	5034
GI	none	Score	199
Exons	4456..4875, 4460..4873, 4873..5034, 4879..5031		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o1.tw	Method	TBLASTX:Wheat
Start	4588	End	5214
GI	none	Score	39
Exons	4588..5214, 4589..4648, 4591..4842, 4700..5158		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o4.tm	Method	TBLASTX:Maize
Start	5083	End	5369
GI	none	Score	180
Exons	5083..5334, 5087..5335, 5340..5369		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o2.ts	Method	TBLASTX:Soybean
Start	5173	End	5417
GI	none	Score	113
Exons	5173..5343, 5174..5338, 5331..5417		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-

Start	10612	End	10992
Name	OJ000250_24.0303.C10.o3.tw	Method	TBLASTX:Wheat
Start	5221	End	5706
GI	none	Score	119
Exons	5221..5343, 5222..5338, 5225..5368, 5331..5705, 5340..5684, 5344..5706		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o2.tw	Method	TBLASTX:Wheat
Start	5706	End	6209
GI	none	Score	380
Exons	5706..6209, 5713..6177		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o2.tm	Method	TBLASTX:Maize
Start	5775	End	6138
GI	none	Score	174
Exons	5775..6137, 5784..6137, 5788..6138		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o3.ts	Method	TBLASTX:Soybean
Start	5958	End	6203
GI	none	Score	66
Exons	5958..6203, 6058..6186		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o3.tm	Method	TBLASTX:Maize
Start	6174	End	6674
GI	none	Score	47
Exons	6174..6488, 6217..6267, 6295..6348, 6495..6674, 6547..6666		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o5.tw	Method	TBLASTX:Wheat
Start	6210	End	6512
GI	none	Score	259
Exons	6210..6512, 6226..6501		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o1.ts	Method	TBLASTX:Soybean
Start	6225	End	6620
GI	none	Score	187
Exons	6225..6584, 6226..6501, 6547..6582, 6588..6620, 6589..6618		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-

Start	10612	End	10992
Name	OJ000250_24.0303.C10.o4.tw	Method	TBLASTX:Wheat
Start	6561	End	7047
GI	none	Score	243
Exons	6561..6938, 6604..7047		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o5.tm	Method	TBLASTX:Maize
Start	6742	End	7032
GI	none	Score	164
Exons	6742..7032, 6744..7031		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o8.tw	Method	TBLASTX:Wheat
Start	7212	End	7580
GI	none	Score	70
Exons	7212..7325, 7213..7326, 7371..7580, 7372..7524		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o7.tw	Method	TBLASTX:Wheat
Start	7833	End	8184
GI	none	Score	94
Exons	7833..8183, 8008..8184		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o6.tm	Method	TBLASTX:Maize
Start	7878	End	8183
GI	none	Score	86
Exons	7878..8183, 8053..8169		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o9.tw	Method	TBLASTX:Wheat
Start	8218	End	8462
GI	none	Score	119
Exons	8218..8415, 8220..8417, 8436..8462		

Seq. No.	44151	Seq. ID	OJ000250_24.0303.C10
Gene No.	92938	Strand	-
Start	10612	End	10992
Name	OJ000250_24.0303.C10.o2.gp	Method	AAT/GAP
Start	10612	End	10992
GI	uC-osflcyp033a04b1	Score	642
Exons	10612..10992		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12

Gene No.	92939	Strand	+
Start	5169	End	5862
Name	OJ000250_24.0303.C12.o2.np	Method	AAT/NAP
Start	5169	End	5862
GI	7106514	Score	56
Exons	5169..5244, 5787..5862		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92940	Strand	-
Start	1790	End	2675
Name	OJ000250_24.0303.C12.o2.gs	Method	GENSCAN
Start	1790	End	2597
GI	none	Score	1
Exons	1790..2164, 2271..2597		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92940	Strand	-
Start	1790	End	2675
Name	OJ000250_24.0303.C12.o1.np	Method	AAT/NAP
Start	1799	End	2594
GI	2190992	Score	714
Exons	1799..2164, 2271..2594		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92940	Strand	-
Start	1790	End	2675
Name	OJ000250_24.0303.C12.o1.gp	Method	AAT/GAP
Start	2136	End	2675
GI	11703_7.R1084	Score	844
Exons	2136..2164, 2271..2675		
GI Descrip.	'2190992 2.0e-32 (AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]'		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o1.tm	Method	TBLASTX:Maize
Start	1820	End	11814
GI	none	Score	140
Exons	1820..2053, 1838..2047, 2235..2306, 2274..2588, 2287..2445, 2361..2450, 2405..2587, 6526..6738, 6527..6736, 6541..6744, 6742..6822, 6746..6820, 6928..7251, 6931..6969, 7022..7090, 7024..7113, 7065..7136, 7166..7252, 11113..11328, 11134..11352, 11356..11439, 11360..11437, 11568..11708, 11575..11709, 11701..11751, 11713..11814		

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o1.tw	Method	TBLASTX:Wheat
Start	1961	End	11814
GI	none	Score	107
Exons	1961..2062, 1967..2074, 2274..2549, 2287..2445, 2361..2450, 2405..2533, 6569..6709, 6652..6858, 6653..6856, 6928..7212, 6934..6969, 7022..7213, 11266..11472, 11278..11379,		

11345..11479, 11568..11708, 11569..11736, 11711..11752,
11713..11814

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o1.tc	Method	TBLASTX:Cress
Start	1967	End	11814
GI	none	Score	84

Exons 1967..2041, 2277..2336, 2355..2444, 2362..2445, 2493..2582,
6526..6621, 6649..6732, 6751..6813, 6931..6999, 7018..7266,
7025..7099, 7074..7136, 11143..11235, 11263..11346,
11568..11636, 11655..11735, 11713..11814

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o1.ts	Method	TBLASTX:Soybean
Start	2277	End	11818
GI	none	Score	155

Exons 2277..2591, 2290..2445, 2405..2593, 6730..6819, 6731..6820,
6919..7272, 6922..7113, 7062..7136, 7172..7255, 11344..11472,
11345..11434, 11568..11705, 11590..11706, 11689..11712,
11713..11814, 11714..11818

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o2.tm	Method	TBLASTX:Maize
Start	3119	End	3396
GI	none	Score	65

Exons 3119..3175, 3172..3297, 3316..3396

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o3.np	Method	AAT/NAP
Start	5426	End	11818
GI	7339719	Score	74

Exons 5426..5501, 6155..6233, 10015..10107, 11608..11818
GI Descrip. (AP001539) hypothetical protein [Oryza sativa]

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o3.gs	Method	GENSCAN
Start	6487	End	11765
GI	none	Score	.63

Exons 6487..7281, 8425..8577, 8715..8973, 9440..9496, 9757..9775,
9819..9929, 10553..10690, 11091..11469, 11571..11765

Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o4.np	Method	AAT/NAP
Start	6490	End	7257
GI	2190992	Score	723

Exons	6490..6855, 6934..7257		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		
Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o5.np	Method	AAT/NAP
Start	8362	End	11684
GI	6721512	Score	77
Exons	8362..8385, 9817..9949, 9976..10092, 10349..10380, 11588..11684		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	44152	Seq. ID	OJ000250_24.0303.C12
Gene No.	92941	Strand	-
Start	6487	End	11818
Name	OJ000250_24.0303.C12.o6.np	Method	AAT/NAP
Start	11104	End	11818
GI	2190992	Score	625
Exons	11104..11469, 11571..11818		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		
Seq. No.	44153	Seq. ID	OJ000250_27.0303.C4
Gene No.	92942	Strand	-
Start	701	End	851
Name	OJ000250_27.0303.C4.o1.gs	Method	GENSCAN
Start	701	End	851
GI	none	Score	.76
Exons	701..851		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92943	Strand	+
Start	535	End	4201
Name	OJ000250_27.0303.C5.o1.np	Method	AAT/NAP
Start	535	End	4156
GI	3319884	Score	521
Exons	535..645, 736..915, 1735..2063, 2145..2339, 3201..3313, 3884..4156		
GI Descrip.	(AJ224306) PRT1 [Arabidopsis thaliana] gi|3319886|emb|CAA11892| (AJ224307) PRT1 [Arabidopsis thaliana]		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92943	Strand	+
Start	535	End	4201
Name	OJ000250_27.0303.C5.o1.gp	Method	AAT/GAP
Start	1741	End	2228
GI	428862	Score	602
Exons	1741..1806, 1893..2063, 2145..2228		
GI Descrip.	3319884/emb|CAA11891| 4.0e-09 (AJ224306) PRT1 [Arabidopsis thaliana] >gi_3319886_emb_CAA11892_ (AJ224307) PRT1 [Arabidopsis thaliana]		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92943	Strand	+
Start	535	End	4201
Name	OJ000250_27.0303.C5.o1.gs	Method	GENSCAN
Start	1874	End	4201
GI	none	Score	.69

Exons	1874..2063, 2145..2345, 3201..3313, 3884..4201		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92944	Strand	+
Start	8758	End	13127
Name	OJ000250_27.0303.C5.o2.np	Method	AAT/NAP
Start	8758	End	13127
GI	4769012	Score	1280
Exons	8758..8817, 9068..9291, 9393..9625, 11979..12198, 12350..12732, 12819..12928, 13094..13127		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92944	Strand	+
Start	8758	End	13127
Name	OJ000250_27.0303.C5.o3.gs	Method	GENSCAN
Start	9050	End	12926
GI	none	Score	.55
Exons	9050..9291, 9393..9625, 11979..12198, 12350..12731, 12819..12926		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92944	Strand	+
Start	8758	End	13127
Name	OJ000250_27.0303.C5.o3.gp	Method	AAT/GAP
Start	9204	End	9544
GI	uC-osflm202100b05b1	Score	415
Exons	9204..9291, 9393..9544		
GI Descrip.	'1199467/dbj|BAA11024.1| 3.0e-22 (D64155) possible aldehyde decarbonylase [Arabidopsis thaliana]'		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92944	Strand	+
Start	8758	End	13127
Name	OJ000250_27.0303.C5.o4.gp	Method	AAT/GAP
Start	12436	End	13066
GI	71043_1.R1084	Score	717
Exons	12436..12731, 12819..12928, 13041..13066		
GI Descrip.	'2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92945	Strand	-
Start	5147	End	8759
Name	OJ000250_27.0303.C5.o2.tm	Method	TBLASTX:Maize
Start	576	End	4057
GI	none	Score	48
Exons	576..641, 612..644, 622..660, 727..780, 735..914, 737..916, 737..913, 1727..1798, 1731..1814, 1734..1799, 1893..2072, 1904..2062, 1905..2063, 2009..2062, 2009..2329, 2109..2339, 2144..2344, 2145..2339, 3251..3316, 3262..3318, 3884..4057, 3884..4051, 3886..4053		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92945	Strand	-
Start	5147	End	8759
Name	OJ000250_27.0303.C5.o2.tc	Method	TBLASTX:Cress
Start	612	End	4039

GI	none	Score	48
Exons	612..644, 735..914, 738..935, 1982..2062, 2009..2062, 2142..2171, 2186..2338, 2186..2308, 3275..3316, 3884..4039, 3884..4030, 3886..4032		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92945	Strand	-
Start	5147	End	8759
Name	OJ000250_27.0303.C5.o3.ts	Method	TBLASTX:Soybean
Start	1982	End	3976
GI	none	Score	100
Exons	1982..2062, 1982..2077, 2143..2283, 2144..2365, 3245..3316, 3883..3963, 3884..3976		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92945	Strand	-
Start	5147	End	8759
Name	OJ000250_27.0303.C5.o2.gs	Method	GENSCAN
Start	5147	End	8759
GI	none	Score	.43
Exons	5147..5350, 5398..5588, 5597..5668, 5902..6097, 7422..7652, 7709..7848, 8066..8234, 8349..8494, 8600..8759		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92945	Strand	-
Start	5147	End	8759
Name	OJ000250_27.0303.C5.o2.gp	Method	AAT/GAP
Start	7160	End	7840
GI	57067_1.R1084	Score	1319
Exons	7160..7840		
GI Descrip.	'2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92946	Strand	
Start	8754	End	12950
Name	OJ000250_27.0303.C5.o1.tm	Method	TBLASTX:Maize
Start	8754	End	12950
GI	none	Score	118
Exons	8754..8816, 8755..8817, 8802..8837, 9065..9292, 9067..9297, 9393..9557, 9394..9666, 9600..9623, 11956..12198, 11981..12199, 11988..12200, 12350..12574, 12350..12409, 12351..12599, 12351..12566, 12470..12571, 12587..12730, 12587..12730, 12588..12731, 12609..12731, 12809..12922, 12813..12950, 12816..12926		
Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92946	Strand	
Start	8754	End	12950
Name	OJ000250_27.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	8758	End	12926
GI	none	Score	85
Exons	8758..8817, 9065..9292, 9148..9282, 9393..9485, 9394..9495, 9498..9551, 9499..9666, 9600..9635, 11956..12201, 11981..12199, 12109..12201, 12351..12578, 12354..12500, 12588..12647, 12642..12737, 12809..12922, 12813..12926		

Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92946	Strand	
Start	8754	End	12950
Name	OJ000250_27.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	9157	End	12473
GI	none	Score	218
Exons	9157..9297, 9158..9292, 9393..9557, 9394..9666, 9600..9623, 11956..12198, 11981..12199, 11988..12200, 12349..12453, 12351..12473, 12351..12455		

Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92946	Strand	
Start	8754	End	12950
Name	OJ000250_27.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	12477	End	12908
GI	none	Score	120
Exons	12477..12578, 12506..12571, 12582..12650, 12587..12649, 12659..12730, 12660..12731, 12809..12907, 12810..12908		

Seq. No.	44154	Seq. ID	OJ000250_27.0303.C5
Gene No.	92946	Strand	
Start	8754	End	12950
Name	OJ000250_27.0303.C5.o1.tw	Method	TBLASTX:Wheat
Start	12530	End	12941
GI	none	Score	294
Exons	12530..12730, 12531..12731, 12809..12928, 12813..12941, 12816..12926		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92947	Strand	+
Start	1	End	973
Name	OJ000250_27.0303.C6.o1.gp	Method	AAT/GAP
Start	1	End	532
GI	3107491	Score	503
Exons	1..174, 280..378, 511..532		
GI Descrip.	4769012/gb|AAD29719.1|AF143746_1 3.0e-20 (AF143746) CER1 [Oryza sativa]		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92947	Strand	+
Start	1	End	973
Name	OJ000250_27.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	973
GI	7485434	Score	386
Exons	1..273, 537..707, 798..973		
GI Descrip.	hypothetical protein F13M22.20 - Arabidopsis thaliana gi|3236252|gb|AAC23640.1| (AC004684) CER1-like protein [Arabidopsis thaliana]		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92947	Strand	+
Start	1	End	973
Name	OJ000250_27.0303.C6.o1.gs	Method	GENSCAN
Start	286	End	959
GI	none	Score	.86
Exons	286..378, 537..707, 798..959		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92948	Strand	+
Start	9973	End	10427
Name	OJ000250_27.0303.C6.o5.np	Method	AAT/NAP
Start	9973	End	10427
GI	6069646	Score	215
Exons	9973..10427		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92949	Strand	-
Start	1640	End	1885
Name	OJ000250_27.0303.C6.o2.np	Method	AAT/NAP
Start	1640	End	1885
GI	7496721	Score	72
Exons	1640..1885		
GI Descrip.	hypothetical protein C30E1.1 - Caenorhabditis elegans gi|2435542|gb|AAB71254.1| (AF026204) C30E1.1 gene product [Caenorhabditis elegans]		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	947
GI	none	Score	129
Exons	1..177, 566..706, 567..707, 567..707, 795..896, 797..883, 891..947		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	962
GI	none	Score	211
Exons	1..177, 3..176, 277..369, 277..369, 533..706, 534..707, 536..706, 784..945, 785..958, 795..959, 795..962		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o1.tw	Method	TBLASTX:Wheat
Start	795	End	959
GI	none	Score	217
Exons	795..959, 797..958		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o2.gs	Method	GENSCAN
Start	2567	End	12511
GI	none	Score	.64
Exons	2567..2673, 2789..2879, 3140..3190, 3921..3982, 4054..4291,		

4484..5281, 5447..5637, 7096..7480, 7634..7829, 8615..8696,
9281..9512, 11087..11183, 11299..11407, 11442..11640,
11674..11766, 12359..12511

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o3.np	Method	AAT/NAP
Start	3116	End	5002
GI	7547097	Score	828
Exons	3116..3190, 3281..3347, 4026..4291, 4484..4600, 4629..5002		
GI Descrip.	(AC022287) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	4188	End	4840
GI	none	Score	125
Exons	4188..4274, 4189..4305, 4190..4273, 4481..4603, 4481..4603, 4482..4607, 4494..4610, 4498..4608, 4667..4840, 4667..4840		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o1.ts	Method	TBLASTX:Soybean
Start	4505	End	5003
GI	none	Score	123
Exons	4505..4597, 4506..4628, 4643..4681, 4694..4927, 4712..4795, 4851..4931, 4922..5002, 4962..5003		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	9963	End	10400
GI	none	Score	221
Exons	9963..10187, 9973..10188, 10209..10400		

Seq. No.	44155	Seq. ID	OJ000250_27.0303.C6
Gene No.	92950	Strand	-
Start	2567	End	12511
Name	OJ000250_27.0303.C6.o2.tw	Method	TBLASTX:Wheat
Start	9970	End	10149
GI	none	Score	196
Exons	9970..10149		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92951	Strand	+
Start	1746	End	2450
Name	OJ000250_27.0303.C8.o1.gs	Method	GENSCAN
Start	1746	End	2450
GI	none	Score	.98
Exons	1746..2450		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92952	Strand	+

Start	4977	End	6569
Name	OJ000250_27.0303.C8.o2.gs	Method	GENSCAN
Start	4977	End	6569
GI	none	Score	1
Exons	4977..6569		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92953	Strand	+
Start	8449	End	8922
Name	OJ000250_27.0303.C8.o3.gs	Method	GENSCAN
Start	8449	End	8922
GI	none	Score	.81
Exons	8449..8589, 8854..8922		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92954	Strand	+
Start	14548	End	17200
Name	OJ000250_27.0303.C8.o5.gs	Method	GENSCAN
Start	14548	End	17200
GI	none	Score	.55
Exons	14548..14679, 14827..15041, 15245..15362, 15498..15611, 15845..15911, 16155..16293, 16857..16927, 17040..17200		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92954	Strand	+
Start	14548	End	17200
Name	OJ000250_27.0303.C8.o2.np	Method	AAT/NAP
Start	15388	End	16696
GI	5777617	Score	77
Exons	15388..15414, 16554..16696		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92955	Strand	+
Start	17959	End	18014
Name	OJ000250_27.0303.C8.o2.gp	Method	AAT/GAP
Start	17959	End	18014
GI	380_2.R1084	Score	94
Exons	17959..18014		
GI Descrip.	'1169798/sp|P42863|G6PB_ORYSA 0.0e+00 GLUCOSE-6-PHOSPHATE ISOMERASE, CYTOSOLIC B (GPI-B) (PHOSPHOGLUCOSE ISOMERASE B) (PGI-B) (PHOSPHOHEXOSE ISOMERASE B) (PHI-B) >gi_639686_dbj_BAA08149_ (D45218) phosphoglucose isomerase (Pgi-b) [Oryza sativa]'		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92956	Strand	-
Start	10002	End	12471
Name	OJ000250_27.0303.C8.o1.np	Method	AAT/NAP
Start	10002	End	12471
GI	7450344	Score	1989
Exons	10002..10109, 10969..12471		
GI Descrip.	probable ammonium transport protein 1 - rice gi|2160782|gb|AAB58937.1| (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8

Gene No.	92956	Strand	-
Start	10002	End	12471
Name	OJ000250_27.0303.C8.o1.gp	Method	AAT/GAP
Start	10817	End	11419
GI	3768182	Score	1112
Exons	10817..11419		
GI Descrip.	-2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92956	Strand	-
Start	10002	End	12471
Name	OJ000250_27.0303.C8.o4.gs	Method	GENSCAN
Start	10980	End	12471
GI	none	Score	1
Exons	10980..11668, 11673..12471		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o2.tc	Method	TBLASTX:Cress
Start	5364	End	6218
GI	none	Score	394
Exons	5364..5999, 5393..6022, 6002..6085, 6003..6113, 6117..6218		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o3.ts	Method	TBLASTX:Soybean
Start	5367	End	5990
GI	none	Score	87
Exons	5367..5537, 5463..5594, 5550..5933, 5853..5990		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o3.tm	Method	TBLASTX:Maize
Start	5370	End	6407
GI	none	Score	143
Exons	5370..5594, 5376..5594, 5393..5593, 5399..5560, 5493..5720, 5505..5669, 5523..5774, 5528..5719, 5616..5990, 5618..5785, 5828..6073, 5829..6026, 5829..6407, 6137..6370		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o2.tw	Method	TBLASTX:Wheat
Start	5514	End	6137
GI	none	Score	143
Exons	5514..5774, 5664..6137, 5727..6134		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o2.ts	Method	TBLASTX:Soybean
Start	5999	End	6401
GI	none	Score	365

Exons 5999..6085, 6000..6401, 6006..6275, 6140..6286

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o3.tc	Method	TBLASTX:Cress
Start	6218	End	6533
GI	none	Score	225
Exons	6218..6370, 6219..6404, 6225..6410, 6423..6533, 6428..6478		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o2.tm	Method	TBLASTX:Maize
Start	11020	End	18631
GI	none	Score	52
Exons	11020..11049, 11061..11243, 11074..11244, 11121..11363, 11267..11293, 11289..11372, 11298..11390, 18307..18531, 18316..18531, 18353..18532, 18538..18630, 18539..18631		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o1.tc	Method	TBLASTX:Cress
Start	11061	End	18871
GI	none	Score	86
Exons	11061..11243, 11071..11223, 11121..11294, 11298..11663, 11428..11598, 11683..12399, 11693..12187, 12251..12400, 12376..12471, 18310..18528, 18310..18534, 18359..18535, 18538..18870, 18539..18871		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o1.ts	Method	TBLASTX:Soybean
Start	11070	End	18871
GI	none	Score	99
Exons	11070..11216, 11074..11217, 11274..11372, 11298..11663, 11428..11595, 11671..11928, 11690..11926, 11947..12123, 11951..12124, 12068..12187, 12100..12411, 12251..12400, 18316..18453, 18319..18453, 18424..18531, 18452..18532, 18460..18870, 18484..18822, 18536..18871		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o4.tm	Method	TBLASTX:Maize
Start	11391	End	18787
GI	none	Score	65
Exons	11391..11507, 11458..11547, 11499..11546, 18631..18747, 18632..18748, 18698..18787, 18739..18786		

Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o1.tm	Method	TBLASTX:Maize
Start	11559	End	18870

GI	none	Score	82
Exons	11559..11666, 11563..11664, 11563..11679, 11668..11865, 11669..11866, 11674..11898, 11818..12186, 11848..11925, 11855..12187, 18799..18870		
Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o1.tw	Method	TBLASTX:Wheat
Start	12244	End	12489
GI	none	Score	242
Exons	12244..12489, 12251..12484		
Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o3.np	Method	AAT/NAP
Start	17875	End	18871
GI	5880355	Score	680
Exons	17875..17958, 18271..18871		
GI Descrip.	(AF083035) ammonium transporter [Arabidopsis thaliana]		
Seq. No.	44156	Seq. ID	OJ000250_27.0303.C8
Gene No.	92957	Strand	-
Start	18220	End	18871
Name	OJ000250_27.0303.C8.o6.gs	Method	GENSCAN
Start	18220	End	18816
GI	none	Score	.87
Exons	18220..18816		
Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92958	Strand	+
Start	3756	End	5045
Name	OJ000250_27.0303.C9.o2.gs	Method	GENSCAN
Start	3756	End	5045
GI	none	Score	.43
Exons	3756..3963, 4888..5045		
Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92959	Strand	+
Start	22072	End	27450
Name	OJ000250_27.0303.C9.o5.gs	Method	GENSCAN
Start	22072	End	27450
GI	none	Score	.48
Exons	22072..22104, 22430..22743, 22788..22855, 25269..25440, 26991..27450		
Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92960	Strand	+
Start	27860	End	30757
Name	OJ000250_27.0303.C9.o6.gs	Method	GENSCAN
Start	27860	End	30757
GI	none	Score	.85
Exons	27860..27932, 30351..30757		
Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92961	Strand	+

Start	30813	End	30970
Name	OJ000250_27.0303.C9.o4.gp	Method	AAT/GAP
Start	30813	End	30970
GI	LIB3434-035-P1-K1-A7	Score	229
Exons	30813..30970		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92962	Strand	+
Start	33548	End	39022
Name	OJ000250_27.0303.C9.o5.gp	Method	AAT/GAP
Start	33279	End	33612
GI	3060996	Score	635
Exons	33279..33612		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92962	Strand	+
Start	33548	End	39022
Name	OJ000250_27.0303.C9.o7.gs	Method	GENSCAN
Start	33548	End	39022
GI	none	Score	.81
Exons	33548..33775, 36518..38406, 38539..38569, 38885..38968, 39008..39022		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92962	Strand	+
Start	33548	End	39022
Name	OJ000250_27.0303.C9.o4.np	Method	AAT/NAP
Start	36308	End	38389
GI	3928084	Score	1439
Exons	36308..38389		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92962	Strand	+
Start	33548	End	39022
Name	OJ000250_27.0303.C9.o6.gp	Method	AAT/GAP
Start	36713	End	37131
GI	699985	Score	831
Exons	36713..37131		
GI Descrip.	3928084 3.0e-12 (AC005770) retrotransposon-like protein [Arabidopsis thaliana]		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92962	Strand	+
Start	33548	End	39022
Name	OJ000250_27.0303.C9.o7.gp	Method	AAT/GAP
Start	38306	End	38909
GI	84326_1.R1084	Score	1066
Exons	38306..38909		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92963	Strand	+

Start	42489	End	43187
Name	OJ000250_27.0303.C9.o9.gs	Method	GENSCAN
Start	42489	End	43187
GI	none	Score	.82
Exons	42489..43187		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92964	Strand	-
Start	1	End	763
Name	OJ000250_27.0303.C9.o1.gp	Method	AAT/GAP
Start	1	End	100
GI	LIB3434-052-P1-K1-F11	Score	151
Exons	1..100		
GI Descrip.	'2160782 3.0e-09 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92964	Strand	-
Start	1	End	763
Name	OJ000250_27.0303.C9.o1.np	Method	AAT/NAP
Start	1	End	763
GI	7450344	Score	1048
Exons	1..763		
GI Descrip.	probable ammonium transport protein 1 - rice gi|2160782|gb|AAB58937.1| (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92964	Strand	-
Start	1	End	763
Name	OJ000250_27.0303.C9.o1.gs	Method	GENSCAN
Start	71	End	763
GI	none	Score	.95
Exons	71..763		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92965	Strand	-
Start	7460	End	8008
Name	OJ000250_27.0303.C9.o3.gs	Method	GENSCAN
Start	7460	End	7871
GI	none	Score	.88
Exons	7460..7670, 7768..7871		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92965	Strand	-
Start	7460	End	8008
Name	OJ000250_27.0303.C9.o2.np	Method	AAT/NAP
Start	7469	End	7960
GI	7486067	Score	295
Exons	7469..7670, 7768..7960		
GI Descrip.	hypothetical protein F24G24.100 - Arabidopsis thaliana gi|4538959|emb|CAB39783.1| (AL049488) putative protein [Arabidopsis thaliana] gi|7267727|emb|CAB78153.1| (AL161517) putative protein [Arabidopsis thaliana]		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92965	Strand	-

Start	7460	End	8008
Name	OJ000250_27.0303.C9.o2.gp	Method	AAT/GAP
Start	7635	End	8008
GI	426900	Score	684
Exons	7635..8008		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92966	Strand	-
Start	12855	End	28078
Name	OJ000250_27.0303.C9.o3.np	Method	AAT/NAP
Start	12319	End	28078
GI	1076205	Score	146
Exons	12319..12393, 12836..13203, 18233..18342, 28048..28078		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92966	Strand	-
Start	12855	End	28078
Name	OJ000250_27.0303.C9.o3.gp	Method	AAT/GAP
Start	12848	End	13262
GI	426781	Score	569
Exons	12848..13262		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92966	Strand	-
Start	12855	End	28078
Name	OJ000250_27.0303.C9.o4.gs	Method	GENSCAN
Start	12855	End	19681
GI	none	Score	.77
Exons	12855..13118, 13521..13650, 13929..13980, 14078..14200, 14878..15016, 15090..15179, 15463..15582, 16774..16837, 16951..17320, 17641..17893, 17899..18118, 18124..18446, 18662..18771, 19585..19681		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	715
GI	none	Score	72
Exons	1..69, 56..334, 95..685, 96..479, 537..686, 662..715		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o3.tm	Method	TBLASTX:Maize
Start	1	End	473
GI	none	Score	101
Exons	1..81, 1..87, 36..335, 45..473, 59..472		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445

Name	OJ000250_27.0303.C9.o1.ts	Method	TBLASTX:Soybean
Start	95	End	686
GI	none	Score	158
Exons	95..208, 96..221, 209..685, 230..325, 231..479, 537..686		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o1.tw	Method	TBLASTX:Wheat
Start	530	End	761
GI	none	Score	191
Exons	530..718, 537..719, 716..760, 717..761		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o4.tm	Method	TBLASTX:Maize
Start	7461	End	7839
GI	none	Score	322
Exons	7461..7673, 7469..7672, 7581..7682, 7765..7839, 7767..7838		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o3.tc	Method	TBLASTX:Cress
Start	7469	End	7838
GI	none	Score	124
Exons	7469..7600, 7470..7601, 7598..7672, 7767..7838		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o5.ts	Method	TBLASTX:Soybean
Start	7469	End	7838
GI	none	Score	164
Exons	7469..7672, 7470..7673, 7765..7833, 7767..7838		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o6.ts	Method	TBLASTX:Soybean
Start	36498	End	36862
GI	none	Score	71
Exons	36498..36677, 36508..36678, 36514..36681, 36515..36703, 36515..36691, 36818..36859, 36818..36862		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o2.tc	Method	TBLASTX:Cress
Start	36506	End	37003
GI	none	Score	259
Exons	36506..36730, 36520..36678, 36797..36865, 36896..37003, 36901..37002		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-

Start	39659	End	41445
Name	OJ000250_27.0303.C9.o6.tm	Method	TBLASTX:Maize
Start	36509	End	36679
GI	none	Score	239
Exons	36509..36679, 36514..36678		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o2.ts	Method	TBLASTX:Soybean
Start	36947	End	37420
GI	none	Score	417
Exons	36947..37339, 37060..37338, 37061..37339, 37084..37341, 37298..37420		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o1.tm	Method	TBLASTX:Maize
Start	37120	End	37533
GI	none	Score	611
Exons	37120..37533, 37121..37531, 37123..37533		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o4.ts	Method	TBLASTX:Soybean
Start	37520	End	37822
GI	none	Score	324
Exons	37520..37822, 37523..37654, 37543..37731		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o5.tm	Method	TBLASTX:Maize
Start	37538	End	37822
GI	none	Score	324
Exons	37538..37822, 37541..37708, 37543..37761		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o4.tc	Method	TBLASTX:Cress
Start	37843	End	38236
GI	none	Score	59
Exons	37843..37896, 37844..37903, 37901..37978, 37909..37977, 37951..38235, 37958..38236, 38039..38236		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o2.tm	Method	TBLASTX:Maize
Start	37867	End	38346
GI	none	Score	576
Exons	37867..38253, 37868..38344, 37868..38314, 38037..38345, 38059..38346		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o3.ts	Method	TBLASTX:Soybean
Start	37945	End	38329
GI	none	Score	377
Exons	37945..38325, 37952..38329		

Seq. No.	44157	Seq. ID	OJ000250_27.0303.C9
Gene No.	92967	Strand	-
Start	39659	End	41445
Name	OJ000250_27.0303.C9.o8.gs	Method	GENSCAN
Start	39659	End	41445
GI	none	Score	.68
Exons	39659..39811, 40448..41026, 41049..41161, 41439..41445		

Seq. No.	44158	Seq. ID	OJ000250_27.0303.C10
Gene No.	92968	Strand	+
Start	1243	End	2464
Name	OJ000250_27.0303.C10.o1.gs	Method	GENSCAN
Start	1243	End	2464
GI	none	Score	.89
Exons	1243..1313, 2359..2464		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o1.np	Method	AAT/NAP
Start	1	End	8968
GI	4884836	Score	69
Exons	1..437, 8823..8968		
GI Descrip.	(AF131877) NapG oxidoreductase [Streptomyces collinus]		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o1.gs	Method	GENSCAN
Start	144	End	605
GI	none	Score	.86
Exons	144..605		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o3.gs	Method	GENSCAN
Start	3619	End	4362
GI	none	Score	.97
Exons	3619..4362		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o4.gs	Method	GENSCAN
Start	4857	End	5450
GI	none	Score	.89
Exons	4857..5450		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o5.gs	Method	GENSCAN
Start	6667	End	7272
GI	none	Score	.94
Exons	6667..7272		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92969	Strand	+
Start	1	End	9122
Name	OJ000250_27.0303.C11.o6.gs	Method	GENSCAN
Start	8223	End	9122
GI	none	Score	.52
Exons	8223..8946, 8989..9122		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92970	Strand	+
Start	10782	End	11420
Name	OJ000250_27.0303.C11.o7.gs	Method	GENSCAN
Start	10782	End	11420
GI	none	Score	.77
Exons	10782..11420		

Seq. No.	44159	Seq. ID	OJ000250_27.0303.C11
Gene No.	92971	Strand	-
Start	1414	End	2613
Name	OJ000250_27.0303.C11.o2.gs	Method	GENSCAN
Start	1414	End	2613
GI	none	Score	.5
Exons	1414..1529, 2469..2613		

Seq. No.	44160	Seq. ID	OJ000250_27.0303.C12
Gene No.	92972	Strand	+
Start	2175	End	3373
Name	OJ000250_27.0303.C12.o1.gs	Method	GENSCAN
Start	2175	End	3373
GI	none	Score	.48
Exons	2175..2214, 3208..3373		

Seq. No.	44160	Seq. ID	OJ000250_27.0303.C12
Gene No.	92973	Strand	-
Start	2977	End	3477
Name	OJ000250_27.0303.C12.o2.gp	Method	AAT/GAP
Start	2977	End	3477
GI	38782_1.R1084	Score	812
Exons	2977..3477		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92974	Strand	+
Start	1	End	2074
Name	OJ000250_27.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	2074
GI	4680179	Score	2989
Exons	1..2074		

GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92974	Strand	+
Start	1	End	2074
Name	OJ000250_27.0303.C13.o1.gs	Method	GENSCAN
Start	152	End	1858
GI	none	Score	.4
Exons	152..1858		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92975	Strand	+
Start	3152	End	6235
Name	OJ000250_27.0303.C13.o2.gs	Method	GENSCAN
Start	3152	End	6235
GI	none	Score	.82
Exons	3152..3313, 4229..4324, 5426..6235		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92975	Strand	+
Start	3152	End	6235
Name	OJ000250_27.0303.C13.o2.gp	Method	AAT/GAP
Start	4156	End	4537
GI	uC-osflcyp033a04b1	Score	687
Exons	4156..4537		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	8860
GI	none	Score	70
Exons	1..54, 8585..8617, 8587..8616, 8621..8860, 8621..8857, 8689..8859		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o8.tw	Method	TBLASTX:Wheat
Start	1	End	8860
GI	none	Score	150
Exons	1..126, 3..122, 8693..8860, 8695..8808		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o3.tw	Method	TBLASTX:Wheat
Start	126	End	493
GI	none	Score	147
Exons	126..413, 130..492, 131..493		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o2.tm	Method	TBLASTX:Maize

Start	142	End	505
GI	none	Score	484
Exons	142..492, 143..496, 143..505		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o2.tw	Method	TBLASTX:Wheat
Start	496	End	6245
GI	none	Score	635
Exons	496..1062, 560..1063, 6183..6245		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o1.tc	Method	TBLASTX:Cress
Start	770	End	1087
GI	none	Score	90
Exons	770..943, 944..1087, 946..1086		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o2.ts	Method	TBLASTX:Soybean
Start	851	End	1111
GI	none	Score	296
Exons	851..1111, 856..1110		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o3.tm	Method	TBLASTX:Maize
Start	909	End	1201
GI	none	Score	94
Exons	909..1097, 910..1197, 911..1201		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o1.tw	Method	TBLASTX:Wheat
Start	1070	End	1696
GI	none	Score	696
Exons	1070..1696, 1126..1584, 1442..1693		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o1.tm	Method	TBLASTX:Maize
Start	1250	End	1849
GI	none	Score	223
Exons	1250..1411, 1253..1405, 1408..1833, 1409..1849		

Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o5.tw	Method	TBLASTX:Wheat
Start	1696	End	2029

GI	none	Score	326
Exons	1696..1965, 1697..2029, 1700..2008		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o2.np	Method	AAT/NAP
Start	6482	End	8863
GI	4680179	Score	2314
Exons	6482..7564, 7598..8863		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o3.gs	Method	GENSCAN
Start	6485	End	8830
GI	none	Score	.53
Exons	6485..7156, 7167..7387, 7403..7601, 7607..7676, 7905..8830		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o6.tw	Method	TBLASTX:Wheat
Start	6718	End	7078
GI	none	Score	289
Exons	6718..7077, 6719..7078		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o5.tm	Method	TBLASTX:Maize
Start	6959	End	7264
GI	none	Score	236
Exons	6959..7264, 6973..7089		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o7.tm	Method	TBLASTX:Maize
Start	7589	End	7942
GI	none	Score	184
Exons	7589..7942		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o7.tw	Method	TBLASTX:Wheat
Start	7625	End	7993
GI	none	Score	160
Exons	7625..7834, 7681..7833, 7879..7992, 7880..7993		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o4.tw	Method	TBLASTX:Wheat
Start	8158	End	8644

GI	none	Score	52
Exons	8158..8601, 8162..8212, 8267..8644		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o4.tm	Method	TBLASTX:Maize
Start	8267	End	8698
GI	none	Score	358
Exons	8267..8698, 8306..8479, 8497..8655		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o2.tc	Method	TBLASTX:Cress
Start	8291	End	8608
GI	none	Score	182
Exons	8291..8608		
Seq. No.	44161	Seq. ID	OJ000250_27.0303.C13
Gene No.	92976	Strand	+
Start	6485	End	8863
Name	OJ000250_27.0303.C13.o6.tm	Method	TBLASTX:Maize
Start	8699	End	8862
GI	none	Score	202
Exons	8699..8860, 8699..8851, 8704..8862		
Seq. No.	44162	Seq. ID	OJ000250_27.0303.C14
Gene No.	92977	Strand	+
Start	832	End	2010
Name	OJ000250_27.0303.C14.o1.np	Method	AAT/NAP
Start	832	End	2010
GI	6907086	Score	1390
Exons	832..1600, 1658..2010		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92978	Strand	+
Start	7243	End	9713
Name	OJ000250_27.0303.C15.o3.np	Method	AAT/NAP
Start	7176	End	9713
GI	6907088	Score	541
Exons	7176..7313, 7489..7727, 8388..8604, 9544..9713		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92978	Strand	+
Start	7243	End	9713
Name	OJ000250_27.0303.C15.o2.gs	Method	GENSCAN
Start	7243	End	8814
GI	none	Score	.71
Exons	7243..7313, 8075..8202, 8267..8814		
Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92979	Strand	-
Start	227	End	6073
Name	OJ000250_27.0303.C15.o1.np	Method	AAT/NAP

Start	227	End	5836
GI	4680179	Score	4489
Exons	227..3642, 3745..4620, 5708..5836		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92979	Strand	-
Start	227	End	6073
Name	OJ000250_27.0303.C15.o2.np	Method	AAT/NAP
Start	5292	End	6073
GI	6002794	Score	1221
Exons	5292..6073		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o6.tw	Method	TBLASTX:Wheat
Start	271	End	604
GI	none	Score	100
Exons	271..603, 292..441, 455..604		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	454	End	1041
GI	none	Score	69
Exons	454..549, 454..891, 464..673, 622..891, 786..893, 889..1041, 896..1039		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	604	End	1229
GI	none	Score	184
Exons	604..1044, 728..1039, 1044..1229, 1051..1173		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o5.tm	Method	TBLASTX:Maize
Start	1098	End	1390
GI	none	Score	231
Exons	1098..1388, 1102..1377, 1256..1390		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	1188	End	1443
GI	none	Score	66
Exons	1188..1316, 1188..1436, 1189..1443		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-

Start	9244	End	11002
Name	OJ000250_27.0303.C15.o2.tc	Method	TBLASTX:Cress
Start	1212	End	1529
GI	none	Score	95
Exons	1212..1355, 1228..1353, 1356..1529, 1410..1508		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	1236	End	1715
GI	none	Score	262
Exons	1236..1715, 1240..1608		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o2.tw	Method	TBLASTX:Wheat
Start	1716	End	2229
GI	none	Score	296
Exons	1716..2228, 1804..2229		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	1801	End	2157
GI	none	Score	244
Exons	1801..2157, 1803..2156		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o4.ts	Method	TBLASTX:Soybean
Start	1977	End	2222
GI	none	Score	192
Exons	1977..2222		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o6.tm	Method	TBLASTX:Maize
Start	2163	End	2510
GI	none	Score	66
Exons	2163..2510, 2308..2478		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o5.tw	Method	TBLASTX:Wheat
Start	2235	End	2531
GI	none	Score	180
Exons	2235..2531, 2272..2487		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002

Name	OJ000250_27.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	2244	End	2639
GI	none	Score	148
Exons	2244..2603, 2272..2487, 2295..2603, 2527..2622, 2607..2639, 2607..2639		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o4.tm	Method	TBLASTX:Maize
Start	2526	End	2993
GI	none	Score	89
Exons	2526..2993, 2745..2921, 2749..2922		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o4.tw	Method	TBLASTX:Wheat
Start	2580	End	3063
GI	none	Score	160
Exons	2580..3062, 2589..3035, 2608..3063		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o8.tm	Method	TBLASTX:Maize
Start	2994	End	3191
GI	none	Score	162
Exons	2994..3191, 2995..3141		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o8.tw	Method	TBLASTX:Wheat
Start	3204	End	3607
GI	none	Score	84
Exons	3204..3374, 3259..3378, 3461..3607		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o7.tm	Method	TBLASTX:Maize
Start	3923	End	4324
GI	none	Score	239
Exons	3923..4324		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o7.tw	Method	TBLASTX:Wheat
Start	4205	End	4582
GI	none	Score	262
Exons	4205..4582		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002

Name	OJ000250_27.0303.C15.o3.gs	Method	GENSCAN
Start	9244	End	11002
GI	none	Score	.83
Exons	9244..9741, 9849..10217, 10241..10755, 10822..11002		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o4.np	Method	AAT/NAP
Start	9247	End	10714
GI	7417736	Score	956
Exons	9247..9741, 9849..10400, 10437..10714		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o5.np	Method	AAT/NAP
Start	9247	End	10723
GI	6006379	Score	899
Exons	9247..9741, 9849..10723		
GI Descrip.	(AP000559) ESTs AU078277(S1084),AU078273(S13585), D47857(S13585) correspond to a region of the predicted gene.; Similar to Caenorhabditis elegans cosmid C15H9; hypothetical protein (U56965) [Oryza sativa]		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	9274	End	10187
GI	none	Score	246
Exons	9274..9741, 9305..9742, 9852..10187, 9853..10173		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o9.tw	Method	TBLASTX:Wheat
Start	9274	End	9528
GI	none	Score	81
Exons	9274..9528, 9311..9526		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	9331	End	10645
GI	none	Score	216
Exons	9331..9744, 9452..9742, 9849..10181, 9853..10179, 10256..10291, 10541..10645		

Seq. No.	44163	Seq. ID	OJ000250_27.0303.C15
Gene No.	92980	Strand	-
Start	9244	End	11002
Name	OJ000250_27.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	9370	End	9744
GI	none	Score	239

Exons	9370..9744, 9449..9742		
Seq. No.	44164	Seq. ID	OJ000250_27.0303.C16
Gene No.	92981	Strand	-
Start	204	End	7382
Name	OJ000250_27.0303.C16.o1.gs	Method	GENSCAN
Start	204	End	7382
GI	none	Score	.51
Exons	204..394, 638..838, 2186..2263, 2451..2579, 3175..3240, 6350..6673, 7241..7382		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+
Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.gs	Method	GENSCAN
Start	1925	End	3695
GI	none	Score	.55
Exons	1925..1976, 2860..2989, 3131..3695		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+
Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.np	Method	AAT/NAP
Start	2129	End	3224
GI	1732513	Score	475
Exons	2129..2278, 2860..2989, 3098..3224		
GI Descrip.	(U62743) snapdragon myb protein 305 homolog [Arabidopsis thaliana]		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+
Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.tc	Method	TBLASTX:Cress
Start	2167	End	3215
GI	none	Score	102
Exons	2167..2280, 2847..2987, 2855..2992, 2856..2990, 3078..3215, 3095..3166		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+
Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.tw	Method	TBLASTX:Wheat
Start	2167	End	3176
GI	none	Score	102
Exons	2167..2280, 2855..2992, 2856..2990, 2876..2992, 3095..3172, 3096..3176		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+
Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.tm	Method	TBLASTX:Maize
Start	2167	End	3200
GI	none	Score	102
Exons	2167..2280, 2855..2992, 2856..2990, 3078..3200, 3095..3172		
Seq. No.	44165	Seq. ID	OJ000250_27.0303.C17
Gene No.	92982	Strand	+

Start	1925	End	3695
Name	OJ000250_27.0303.C17.o1.ts	Method	TBLASTX:Soybean
Start	2176	End	3176
GI	none	Score	100
Exons	2176..2280, 2855..2992, 2856..2990, 3083..3175, 3096..3176		

Seq. No.	44166	Seq. ID	OJ000250_23.0303.C2
Gene No.	92983	Strand	-
Start	445	End	992
Name	OJ000250_23.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	354	End	992
GI	none	Score	139
Exons	354..476, 361..705, 363..602, 368..709, 492..719, 785..835, 789..845, 791..844, 934..981, 935..982, 939..992		

Seq. No.	44166	Seq. ID	OJ000250_23.0303.C2
Gene No.	92983	Strand	-
Start	445	End	992
Name	OJ000250_23.0303.C2.o1.gp	Method	AAT/GAP
Start	445	End	730
GI	1438559	Score	506
Exons	445..730		

Seq. No.	44166	Seq. ID	OJ000250_23.0303.C2
Gene No.	92984	Strand	
Start	912	End	2280
Name	OJ000250_23.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	912	End	2280
GI	none	Score	60
Exons	912..1055, 919..1071, 920..1057, 1168..1278, 1176..1277, 2179..2241, 2260..2280		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92985	Strand	+
Start	4079	End	4230
Name	OJ000250_23.0303.C3.o2.np	Method	AAT/NAP
Start	4079	End	4230
GI	7523483	Score	73
Exons	4079..4230		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92986	Strand	+
Start	15257	End	15792
Name	OJ000250_23.0303.C3.o3.np	Method	AAT/NAP
Start	15257	End	15578
GI	7488608	Score	195
Exons	15257..15578		
GI Descrip.	FPF1 protein - white mustard gi|2370459|emb|CAA72716.1| (Y11987) FPF1 protein [Sinapis alba]		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92986	Strand	+
Start	15257	End	15792
Name	OJ000250_23.0303.C3.o1.gp	Method	AAT/GAP
Start	15474	End	15792
GI	5005293	Score	525

Exons 15474..15792

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92987 Strand +
Start 23883 End 29148
Name OJ000250_23.0303.C3.o5.gs Method GENSCAN
Start 23883 End 29148
GI none Score .58
Exons 23883..23998, 24802..24901, 25314..25502, 29089..29148

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92988 Strand +
Start 33540 End 33744
Name OJ000250_23.0303.C3.o4.np Method AAT/NAP
Start 33540 End 33744
GI 6539571 Score 63
Exons 33540..33744
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92989 Strand +
Start 38336 End 39847
Name OJ000250_23.0303.C3.o7.gs Method GENSCAN
Start 38336 End 39680
GI none Score 1
Exons 38336..38395, 38489..38570, 38686..39680

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92989 Strand +
Start 38336 End 39847
Name OJ000250_23.0303.C3.o3.gp Method AAT/GAP
Start 38338 End 39847
GI 15172_2.R1084 Score 1829
Exons 38338..38395, 38489..38542, 39000..39847
GI Descrip. '5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92989 Strand +
Start 38336 End 39847
Name OJ000250_23.0303.C3.o5.np Method AAT/NAP
Start 38465 End 39092
GI 6862917 Score 144
Exons 38465..38570, 38686..38834, 38966..39092
GI Descrip. (AC018907) hypothetical protein [Arabidopsis thaliana]

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3
Gene No. 92990 Strand -
Start 2078 End 4068
Name OJ000250_23.0303.C3.o1.np Method AAT/NAP
Start 2078 End 4068
GI 100592 Score 315
Exons 2078..2217, 3568..4068
GI Descrip. licheninase (EC 3.2.1.73) isoenzyme EIb precursor - barley gi|4688931|emb|CAB41402.1| (X56260) lichenase [Hordeum vulgare]

Seq. No. 44167 Seq. ID OJ000250_23.0303.C3

Gene No.	92991	Strand	-
Start	6527	End	8564
Name	OJ000250_23.0303.C3.o2.gs	Method	GENSCAN
Start	6527	End	8564
GI	none	Score	.4
Exons	6527..6590, 7396..7445, 7782..7988, 8187..8564		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92992	Strand	-
Start	20134	End	21290
Name	OJ000250_23.0303.C3.o4.gs	Method	GENSCAN
Start	20134	End	21290
GI	none	Score	.85
Exons	20134..20370, 20518..20567, 20616..20670, 21192..21290		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92993	Strand	-
Start	41319	End	42541
Name	OJ000250_23.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	15239	End	15545
GI	none	Score	51
Exons	15239..15280, 15345..15545, 15467..15544		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92993	Strand	-
Start	41319	End	42541
Name	OJ000250_23.0303.C3.o1.ts	Method	TBLASTX:Soybean
Start	15260	End	15605
GI	none	Score	37
Exons	15260..15280, 15345..15464, 15480..15605		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92993	Strand	-
Start	41319	End	42541
Name	OJ000250_23.0303.C3.o2.tm	Method	TBLASTX:Maize
Start	38489	End	38804
GI	none	Score	116
Exons	38489..38572, 38491..38583, 38498..38599, 38679..38804		

Seq. No.	44167	Seq. ID	OJ000250_23.0303.C3
Gene No.	92993	Strand	-
Start	41319	End	42541
Name	OJ000250_23.0303.C3.o8.gs	Method	GENSCAN
Start	41319	End	42541
GI	none	Score	.71
Exons	41319..41464, 42439..42541		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92994	Strand	+
Start	1424	End	1781
Name	OJ000250_23.0303.C4.o1.gs	Method	GENSCAN
Start	1424	End	1781
GI	none	Score	.67
Exons	1424..1497, 1740..1781		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92995	Strand	+

Start	23837	End	24528
Name	OJ000250_23.0303.C4.o5.gs	Method	GENSCAN
Start	23837	End	24528
GI	none	Score	.89
Exons	23837..23906, 24509..24528		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92996	Strand	+
Start	29014	End	30718
Name	OJ000250_23.0303.C4.o3.np	Method	AAT/NAP
Start	29014	End	30718
GI	7362753	Score	779
Exons	29014..29323, 30077..30718		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92997	Strand	-
Start	8583	End	20471
Name	OJ000250_23.0303.C4.o1.np	Method	AAT/NAP
Start	8583	End	16953
GI	7228438	Score	3310
Exons	8583..8602, 10083..10504, 11831..11981, 12074..12335, 12440..12738, 12819..13232, 13318..13413, 14972..16953		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92997	Strand	-
Start	8583	End	20471
Name	OJ000250_23.0303.C4.o4.gs	Method	GENSCAN
Start	9920	End	20471
GI	none	Score	.54
Exons	9920..9997, 10083..10403, 10483..10584, 10828..11024, 11088..11457, 11588..11610, 11726..11981, 12074..12335, 12440..12738, 12819..12937, 12971..13232, 13337..13506, 13530..13684, 13760..13913, 14353..16705, 16837..17042, 17301..17374, 18818..18868, 18981..19107, 19209..19290, 20409..20471		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92997	Strand	-
Start	8583	End	20471
Name	OJ000250_23.0303.C4.o2.gp	Method	AAT/GAP
Start	11395	End	13645
GI	LIB3433-020-P1-K1-A6	Score	750
Exons	11395..11781, 13603..13645		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92997	Strand	-
Start	8583	End	20471
Name	OJ000250_23.0303.C4.o2.np	Method	AAT/NAP
Start	18686	End	20096
GI	7523502	Score	114
Exons	18686..18715, 19548..19622, 19997..20096		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92998	Strand	-
Start	21286	End	21717
Name	OJ000250_23.0303.C4.o5.gp	Method	AAT/GAP
Start	21286	End	21717
GI	LIB3432-059-P1-K1-D8	Score	688
Exons	21286..21717		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o2.tw	Method	TBLASTX:Wheat
Start	8581	End	32399
GI	none	Score	56
Exons	8581..8631, 31432..31524, 31434..31526, 32119..32253, 32120..32254, 32121..32258, 32343..32399, 32345..32392, 32346..32399		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o3.tw	Method	TBLASTX:Wheat
Start	13411	End	13593
GI	none	Score	108
Exons	13411..13530, 13412..13531, 13529..13579, 13540..13593		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o1.tw	Method	TBLASTX:Wheat
Start	15335	End	15712
GI	none	Score	61
Exons	15335..15508, 15346..15486, 15452..15499, 15533..15709, 15558..15710, 15563..15712		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o2.tm	Method	TBLASTX:Maize
Start	15428	End	16006
GI	none	Score	182
Exons	15428..15481, 15528..15827, 15539..16006, 15879..16001		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	29103	End	30668
GI	none	Score	156
Exons	29103..29324, 29148..29174, 29180..29323, 30074..30415, 30075..30398, 30395..30460, 30396..30482, 30458..30667, 30459..30668		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o1.tm	Method	TBLASTX:Maize
Start	29180	End	30673
GI	none	Score	111
Exons	29180..29323, 29187..29324, 30074..30346, 30075..30668, 30404..30673		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	29186	End	30473
GI	none	Score	144
Exons	29186..29338, 29187..29324, 30066..30155, 30074..30472, 30075..30473		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o3.ts	Method	TBLASTX:Soybean
Start	30473	End	30671
GI	none	Score	226
Exons	30473..30655, 30474..30671		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o6.gp	Method	AAT/GAP
Start	31270	End	32974
GI	387_1.R1084	Score	971
Exons	31270..31523, 32121..32253, 32343..32427, 32921..32974		
GI Descrip.	'2342674 8.0e-19 (AC000106) Similar to ATP-dependent Clp protease (gb_D90915). EST gb_N65461 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o2.ts	Method	TBLASTX:Soybean
Start	31441	End	32393
GI	none	Score	105
Exons	31441..31524, 31443..31526, 32089..32253, 32119..32253, 32120..32254, 32121..32258, 32343..32393, 32345..32392		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o2.tc	Method	TBLASTX:Cress
Start	31446	End	32396
GI	none	Score	76
Exons	31446..31526, 31465..31524, 32111..32227, 32119..32232, 32121..32258, 32122..32253, 32343..32396, 32345..32392		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-

Start	31458	End	33059
Name	OJ000250_23.0303.C4.o7.gs	Method	GENSCAN
Start	31458	End	33059
GI	none	Score	.85
Exons	31458..31523, 32121..32253, 32343..32427, 32921..33059		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o4.np	Method	AAT/NAP
Start	31461	End	32392
GI	548852	Score	365
Exons	31461..31523, 32121..32253, 32343..32392		
GI Descrip.	40S RIBOSOMAL PROTEIN S21 gi|481227|pir||S38357 ribosomal protein S21 - rice gi|303839|dbj|BAA02158| (D12633) 40S subunit ribosomal protein [Oryza sativa]		

Seq. No.	44168	Seq. ID	OJ000250_23.0303.C4
Gene No.	92999	Strand	-
Start	31458	End	33059
Name	OJ000250_23.0303.C4.o3.tm	Method	TBLASTX:Maize
Start	31464	End	32438
GI	none	Score	83
Exons	31464..31526, 31465..31524, 32089..32253, 32119..32253, 32120..32254, 32121..32258, 32343..32438, 32345..32392, 32346..32402		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93000	Strand	+
Start	119	End	3647
Name	OJ000250_23.0303.C5.o1.gs	Method	GENSCAN
Start	119	End	3647
GI	none	Score	.72
Exons	119..377, 474..746, 907..1022, 1529..1593, 1666..1892, 3523..3647		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93001	Strand	+
Start	6068	End	6478
Name	OJ000250_23.0303.C5.o2.gs	Method	GENSCAN
Start	6068	End	6478
GI	none	Score	.97
Exons	6068..6478		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93002	Strand	+
Start	9788	End	12884
Name	OJ000250_23.0303.C5.o1.np	Method	AAT/NAP
Start	9788	End	12884
GI	2342674	Score	285
Exons	9788..10111, 11556..11660, 12078..12249, 12852..12884		
GI Descrip.	(AC000106) Similar to ATP-dependent Clp protease (gb|D90915). EST gb|N65461 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93002	Strand	+
Start	9788	End	12884

Name	OJ000250_23.0303.C5.o2.gp	Method	AAT/GAP
Start	11542	End	12884
GI	3760393	Score	544
Exons	11542..11660, 12110..12232, 12835..12884		
GI Descrip.	2342674 8.0e-19 (AC000106) Similar to ATP-dependent Clp protease (gb_D90915). EST gb_N65461 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93003	Strand	-
Start	9738	End	9922
Name	OJ000250_23.0303.C5.o2.ts	Method	TBLASTX:Soybean
Start	6343	End	6490
GI	none	Score	183
Exons	6343..6468, 6359..6490		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93003	Strand	-
Start	9738	End	9922
Name	OJ000250_23.0303.C5.o1.gp	Method	AAT/GAP
Start	9738	End	9922
GI	LIB3479-011-Q6-K1-F9	Score	342
Exons	9738..9922		
GI Descrip.	'2342674 8.0e-19 (AC000106) Similar to ATP-dependent Clp protease (gb_D90915). EST gb_N65461 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93004	Strand	
Start	10052	End	12882
Name	OJ000250_23.0303.C5.o1.ts	Method	TBLASTX:Soybean
Start	10052	End	12243
GI	none	Score	73
Exons	10052..10114, 11577..11660, 11578..11658, 12086..12241, 12086..12241, 12112..12243		

Seq. No.	44169	Seq. ID	OJ000250_23.0303.C5
Gene No.	93004	Strand	
Start	10052	End	12882
Name	OJ000250_23.0303.C5.o1.tc	Method	TBLASTX:Cress
Start	11575	End	12882
GI	none	Score	75
Exons	11575..11658, 11577..11672, 12086..12241, 12086..12241, 12103..12243, 12835..12882		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93005	Strand	+
Start	1	End	885
Name	OJ000250_23.0303.C6.o1.np	Method	AAT/NAP
Start	1	End	566
GI	2342674	Score	106
Exons	1..68, 308..379, 459..566		
GI Descrip.	(AC000106) Similar to ATP-dependent Clp protease (gb|D90915). EST gb|N65461 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93005	Strand	+

Start	1	End	885
Name	OJ000250_23.0303.C6.o1.gs	Method	GENSCAN
Start	99	End	885
GI	none	Score	.73
Exons	99..179, 326..379, 459..542, 790..885		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93005	Strand	+
Start	1	End	885
Name	OJ000250_23.0303.C6.o1.gp	Method	AAT/GAP
Start	333	End	849
GI	2796955	Score	295
Exons	333..379, 459..542, 790..849		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93006	Strand	+
Start	8255	End	12262
Name	OJ000250_23.0303.C6.o3.gs	Method	GENSCAN
Start	8255	End	12262
GI	none	Score	.86
Exons	8255..8416, 8516..8729, 8810..8958, 9706..9822, 9905..10021, 10217..10394, 10433..10640, 11372..11493, 11613..11704, 11950..11986, 12202..12262		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93006	Strand	+
Start	8255	End	12262
Name	OJ000250_23.0303.C6.o3.gp	Method	AAT/GAP
Start	11644	End	12262
GI	LIB3475-008-P1-K1-G9	Score	224
Exons	11644..11704, 11950..11986, 12202..12262		
GI Descrip.	'3193293 5.0e-14 (AF069298) contains a short region of similarity to another Arabidopsis hypothetical protein F19K23.8 (GB:AC000375) [Arabidopsis thaliana]'		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93007	Strand	-
Start	1012	End	1639
Name	OJ000250_23.0303.C6.o2.gp	Method	AAT/GAP
Start	1012	End	1639
GI	none	Score	1177
Exons	1012..1639		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93008	Strand	-
Start	4114	End	8936
Name	OJ000250_23.0303.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	856
GI	none	Score	59
Exons	2..37, 2..37, 102..167, 103..180, 104..181, 105..182, 279..368, 300..368, 325..372, 331..378, 332..379, 456..542, 459..548, 788..856, 789..833		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93008	Strand	-
Start	4114	End	8936
Name	OJ000250_23.0303.C6.o2.np	Method	AAT/NAP

Start	4114	End	8936
GI	6523547	Score	301
Exons	4114..4163, 8220..8936		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93009	Strand	
Start	10207	End	10640
Name	OJ000250_23.0303.C6.o1.tm	Method	TBLASTX:Maize
Start	10207	End	10640
GI	none	Score	132
Exons	10207..10395, 10211..10396, 10217..10399, 10218..10424, 10450..10518, 10467..10517, 10510..10638, 10515..10640, 10515..10640		

Seq. No.	44170	Seq. ID	OJ000250_23.0303.C6
Gene No.	93010	Strand	
Start	11360	End	12275
Name	OJ000250_23.0303.C6.o3.tm	Method	TBLASTX:Maize
Start	11360	End	12275
GI	none	Score	86
Exons	11360..11494, 11369..11494, 11370..11498, 11611..11703, 11611..11703, 11612..11704, 12201..12275		

Seq. No.	44171	Seq. ID	OJ000250_23.0303.C8
Gene No.	93011	Strand	+
Start	69	End	135
Name	OJ000250_23.0303.C8.o1.gs	Method	GENSCAN
Start	69	End	135
GI	none	Score	.91
Exons	69..135		

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.np	Method	AAT/NAP
Start	23	End	1058
GI	7488368	Score	305
Exons	23..182, 445..530, 610..774, 887..1058		
GI Descrip.	thioredoxin homolog F22O13.5 - Arabidopsis thaliana gi|3063444|gb|AAC14032.1| (AC003981) F22O13.5 [Arabidopsis thaliana] gi|4973256|gb|AAD35005.1|AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]		

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.gp	Method	AAT/GAP
Start	177	End	391
GI	none	Score	396
Exons	177..391		

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.gs	Method	GENSCAN

Start	372	End	1006
GI	none	Score	.83
Exons	372..530, 610..774, 887..1006		

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o2.gp	Method	AAT/GAP
Start	409	End	1063
GI	28186_1.R1084	Score	837
Exons	409..530, 610..774, 887..1063		
GI Descrip.	'3063444 2.0e-30 (AC003981) F22O13.5 [Arabidopsis thaliana] >gi_4973256_gb_AAD35005.1_AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]'		

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	441	End	1033
GI	none	Score	60
Exons	441..530, 445..519, 596..763,	607..777,	884..1033

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	444	End	1045
GI	none	Score	65
Exons	444..530, 445..525, 596..766,	604..777,	878..1045, 888..1040

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.tw	Method	TBLASTX:Wheat
Start	444	End	1045
GI	none	Score	41
Exons	444..530, 445..519, 596..766,	607..777,	878..1045, 888..1034

Seq. No.	44172	Seq. ID	OJ000150_28.0323.C1
Gene No.	93012	Strand	-
Start	23	End	1063
Name	OJ000150_28.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	453	End	1033
GI	none	Score	116
Exons	453..530, 596..778, 604..777,	762..779,	884..1033

Seq. No.	44173	Seq. ID	OJ000150_28.0323.C3
Gene No.	93013	Strand	+
Start	223	End	1236
Name	OJ000150_28.0323.C3.o1.gs	Method	GENSCAN
Start	223	End	1173
GI	none	Score	.5
Exons	223..1173		

Seq. No.	44173	Seq. ID	OJ000150_28.0323.C3
Gene No.	93013	Strand	+

Start	223	End	1236
Name	OJ000150_28.0323.C3.o1.np	Method	AAT/NAP
Start	223	End	1236
GI	1402883	Score	385
Exons	223..1236		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana] gi|1495263|emb|CAA66119| (X97487) orf09 [Arabidopsis thaliana]		

Seq. No.	44173	Seq. ID	OJ000150_28.0323.C3
Gene No.	93013	Strand	+
Start	223	End	1236
Name	OJ000150_28.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	580	End	1236
GI	none	Score	44
Exons	580..615, 703..1041, 718..822, 793..978, 808..969, 823..909, 846..1007, 973..1227, 973..1050, 976..1236, 1074..1235		

Seq. No.	44173	Seq. ID	OJ000150_28.0323.C3
Gene No.	93013	Strand	+
Start	223	End	1236
Name	OJ000150_28.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	691	End	1236
GI	none	Score	193
Exons	691..828, 700..984, 700..807, 715..801, 718..900, 751..972, 756..914, 793..972, 849..971, 865..972, 969..1031, 1090..1194, 1102..1233, 1105..1236, 1126..1227		

Seq. No.	44173	Seq. ID	OJ000150_28.0323.C3
Gene No.	93013	Strand	+
Start	223	End	1236
Name	OJ000150_28.0323.C3.o1.tw	Method	TBLASTX:Wheat
Start	826	End	1236
GI	none	Score	122
Exons	826..969, 826..972, 973..1068, 1095..1196, 1102..1200, 1120..1236		

Seq. No.	44174	Seq. ID	OJ000150_28.0323.C25
Gene No.	93014	Strand	+
Start	1016	End	1296
Name	OJ000150_28.0323.C25.o1.gp	Method	AAT/GAP
Start	1016	End	1296
GI	none	Score	531
Exons	1016..1296		

Seq. No.	44174	Seq. ID	OJ000150_28.0323.C25
Gene No.	93015	Strand	-
Start	917	End	1095
Name	OJ000150_28.0323.C25.o1.gs	Method	GENSCAN
Start	917	End	1095
GI	none	Score	.61
Exons	917..1095		

Seq. No.	44175	Seq. ID	OJ000150_28.0323.C28
Gene No.	93016	Strand	-
Start	49	End	1086
Name	OJ000150_28.0323.C28.o1.tm	Method	TBLASTX:Maize
Start	39	End	855

GI	none	Score	125
Exons	39..125, 49..138, 49..174, 50..175, 333..413, 334..411, 342..416, 493..663, 493..660, 495..671, 759..854, 760..855, 760..849		
Seq. No.	44175	Seq. ID	OJ000150_28.0323.C28
Gene No.	93016	Strand	-
Start	49	End	1086
Name	OJ000150_28.0323.C28.o1.gs	Method	GENSCAN
Start	49	End	849
GI	none	Score	.9
Exons	49..173, 335..410, 495..661, 720..849		
Seq. No.	44175	Seq. ID	OJ000150_28.0323.C28
Gene No.	93016	Strand	-
Start	49	End	1086
Name	OJ000150_28.0323.C28.o1.np	Method	AAT/NAP
Start	52	End	1086
GI	7451237	Score	300
Exons	52..149, 323..397, 488..662, 760..849, 1033..1086		
GI Descrip.	conserved hypothetical protein MTH580 - Methanobacterium thermoautotrophicum (strain Delta H) gi|2621658|gb|AAB85086.1| (AE000840) conserved protein [Methanobacterium thermoautotrophicum]		
Seq. No.	44176	Seq. ID	OJ000150_28.0323.C36
Gene No.	93017	Strand	-
Start	1298	End	1498
Name	OJ000150_28.0323.C36.o1.gs	Method	GENSCAN
Start	1298	End	1498
GI	none	Score	.68
Exons	1298..1498		
Seq. No.	44177	Seq. ID	OJ000150_28.0323.C37
Gene No.	93018	Strand	-
Start	370	End	702
Name	OJ000150_28.0323.C37.o1.gs	Method	GENSCAN
Start	370	End	702
GI	none	Score	.7
Exons	370..702		
Seq. No.	44178	Seq. ID	OJ000150_28.0323.C42
Gene No.	93019	Strand	-
Start	66	End	517
Name	OJ000150_28.0323.C42.o1.gs	Method	GENSCAN
Start	66	End	517
GI	none	Score	.61
Exons	66..167, 399..517		
Seq. No.	44179	Seq. ID	OJ000150_28.0323.C46
Gene No.	93020	Strand	+
Start	227	End	380
Name	OJ000150_28.0323.C46.o1.gs	Method	GENSCAN
Start	227	End	380
GI	none	Score	.78
Exons	227..380		

Seq. No.	44180	Seq. ID	OJ000150_28.0323.C50
Gene No.	93021	Strand	+
Start	405	End	462
Name	OJ000150_28.0323.C50.o1.gs	Method	GENSCAN
Start	405	End	462
GI	none	Score	.53
Exons	405..462		

Seq. No.	44180	Seq. ID	OJ000150_28.0323.C50
Gene No.	93022	Strand	+
Start	833	End	919
Name	OJ000150_28.0323.C50.o1.gp	Method	AAT/GAP
Start	833	End	919
GI	none	Score	151
Exons	833..919		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93023	Strand	+
Start	12100	End	12654
Name	OJ000150_28.0323.C55.o3.gp	Method	AAT/GAP
Start	12100	End	12654
GI	none	Score	864
Exons	12100..12551, 12612..12654		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93023	Strand	+
Start	12100	End	12654
Name	OJ000150_28.0323.C55.o4.gp	Method	AAT/GAP
Start	12100	End	12653
GI	none	Score	862
Exons	12100..12551, 12612..12653		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93024	Strand	+
Start	16089	End	22122
Name	OJ000150_28.0323.C55.o6.gp	Method	AAT/GAP
Start	16054	End	18339
GI	35079_1.R1084	Score	1571
Exons	16054..16277, 17202..17275, 17800..18339		
GI Descrip.	'4680488/gb|AF119222.1|AF119222 3.0e-16 Oryza sativa BAC clone 1.H19, complete sequence'		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93024	Strand	+
Start	16089	End	22122
Name	OJ000150_28.0323.C55.o5.gs	Method	GENSCAN
Start	16089	End	21741
GI	none	Score	.89
Exons	16089..16277, 17202..17275, 18910..19083, 19621..19729, 19878..20018, 20118..20231, 20690..20768, 21295..21404, 21476..21532, 21652..21741		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93024	Strand	+
Start	16089	End	22122
Name	OJ000150_28.0323.C55.o7.gp	Method	AAT/GAP
Start	18616	End	22122

GI	837_1.R1084	Score	2077
Exons	18616..18660, 18892..19083, 19621..19729, 19878..20018, 20118..20231, 20690..20768, 21295..21404, 21476..21532, 21652..21721, 21847..22122		
GI Descrip.	'4105561 1.0e-134 (AF047444) ribulose-5-phosphate-3-epimerase [Oryza sativa]'		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93024	Strand	+
Start	16089	End	22122
Name	OJ000150_28.0323.C55.o4.np	Method	AAT/NAP
Start	18989	End	21893
GI	6647761	Score	1108
Exons	18989..19083, 19621..19729, 19878..20018, 20118..20231, 20690..20768, 21295..21404, 21476..21532, 21652..21721, 21847..21893		
GI Descrip.	RIBULOSE-PHOSPHATE 3-EPIMERASE PRECURSOR (PENTOSE-5-PHOSPHATE 3-EPIMERASE) (PPE) (RPE) (R5P3E) gi|4105561 (AF047444) ribulose-5-phosphate-3-epimerase [Oryza sativa]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93025	Strand	+
Start	24814	End	25986
Name	OJ000150_28.0323.C55.o6.np	Method	AAT/NAP
Start	24814	End	25986
GI	6523547	Score	85
Exons	24814..24870, 25736..25986		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93026	Strand	-
Start	1	End	3186
Name	OJ000150_28.0323.C55.o1.np	Method	AAT/NAP
Start	1	End	351
GI	2459410	Score	106
Exons	1..351		
GI Descrip.	(AC002332) putative thioredoxin [Arabidopsis thaliana]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93026	Strand	-
Start	1	End	3186
Name	OJ000150_28.0323.C55.o1.gp	Method	AAT/GAP
Start	172	End	1630
GI	28186_1.R1084	Score	803
Exons	172..351, 1301..1511, 1584..1630		
GI Descrip.	'3063444 2.0e-30 (AC003981) F22O13.5 [Arabidopsis thaliana] >gi_4973256_gb_AAD35005.1_AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]'		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93026	Strand	-
Start	1	End	3186
Name	OJ000150_28.0323.C55.o1.gs	Method	GENSCAN
Start	175	End	3186
GI	none	Score	.64
Exons	175..205, 1225..1404, 1831..1974, 2962..3029, 3098..3186		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93027	Strand	-
Start	3645	End	6798
Name	OJ000150_28.0323.C55.o2.np	Method	AAT/NAP
Start	3645	End	6798
GI	6539263	Score	921
Exons	3645..3668, 5026..6544, 6758..6798		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93027	Strand	-
Start	3645	End	6798
Name	OJ000150_28.0323.C55.o2.gs	Method	GENSCAN
Start	4957	End	6594
GI	none	Score	1
Exons	4957..6594		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93028	Strand	-
Start	7043	End	11695
Name	OJ000150_28.0323.C55.o3.np	Method	AAT/NAP
Start	7042	End	8942
GI	7430723	Score	802
Exons	7042..7535, 7587..7768, 7912..8238, 8330..8545, 8634..8942		
GI Descrip.	cytochrome P450 homolog F17K2.4 - Arabidopsis thaliana gi|2979544|gb|AAC06153.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93028	Strand	-
Start	7043	End	11695
Name	OJ000150_28.0323.C55.o3.gs	Method	GENSCAN
Start	7043	End	11695
GI	none	Score	.88
Exons	7043..7825, 7942..8199, 8330..8545, 8634..8984, 9363..9398, 10187..10438, 10454..11695		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93028	Strand	-
Start	7043	End	11695
Name	OJ000150_28.0323.C55.o2.gp	Method	AAT/GAP
Start	8650	End	8978
GI	2431472	Score	635
Exons	8650..8978		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93029	Strand	-
Start	12223	End	15806
Name	OJ000150_28.0323.C55.o4.gs	Method	GENSCAN
Start	12223	End	15806
GI	none	Score	.55
Exons	12223..12404, 12430..12822, 12860..13015, 13752..13803, 13910..14358, 14880..15085, 15471..15551, 15673..15806		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93029	Strand	-

Start	12223	End	15806
Name	OJ000150_28.0323.C55.o5.gp	Method	AAT/GAP
Start	12733	End	13430
GI	3653_1.R1084	Score	1285
Exons	12733..13430		
GI Descrip.	'6016874/dbj|BAA85217.1| 3.0e-17 (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]'		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o1.tm	Method	TBLASTX:Maize
Start	5032	End	6274
GI	none	Score	172
Exons	5032..5658, 5033..5473, 5224..5274, 5386..5562, 5452..5649, 5522..5650, 5549..5650, 5682..5732, 5692..5961, 5701..5886, 5714..5971, 5764..5901, 5764..5958, 5782..5958, 5783..5971, 5827..6054, 5843..5959, 5899..6051, 5976..6071, 5977..6264, 5992..6273, 5993..6274, 6019..6273		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o4.ts	Method	TBLASTX:Soybean
Start	5032	End	5466
GI	none	Score	108
Exons	5032..5466, 5191..5466		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o5.tc	Method	TBLASTX:Cress
Start	5035	End	5364
GI	none	Score	82
Exons	5035..5364, 5036..5362		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o1.tw	Method	TBLASTX:Wheat
Start	5339	End	6274
GI	none	Score	34
Exons	5339..5362, 5341..5661, 5393..5662, 5555..5662, 5689..5970, 5698..5820, 5699..5800, 5827..6060, 5992..6273, 5999..6274		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o1.tc	Method	TBLASTX:Cress
Start	5365	End	6549
GI	none	Score	98
Exons	5365..5484, 5486..5656, 5488..5655, 5488..5661, 5680..5805, 5701..6021, 5734..6264, 5794..5979, 5808..5831, 5884..6066, 5948..6274, 5986..6273, 6295..6429, 6442..6549		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o7.ts	Method	TBLASTX:Soybean
Start	5482	End	6429
GI	none	Score	52
Exons	5482..5574, 5503..5655, 5550..5639, 5557..5643, 5686..5883, 5714..5881, 5716..5883, 5833..5952, 6019..6162, 6163..6273, 6316..6429		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o2.ts	Method	TBLASTX:Soybean
Start	7058	End	8897
GI	none	Score	79
Exons	7058..7513, 7059..7241, 7269..7505, 7616..7738, 8089..8244, 8423..8548, 8442..8546, 8634..8699, 8638..8688, 8745..8834, 8745..8897		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o3.tc	Method	TBLASTX:Cress
Start	7058	End	7492
GI	none	Score	171
Exons	7058..7492, 7161..7490		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o2.tm	Method	TBLASTX:Maize
Start	7100	End	11300
GI	none	Score	61
Exons	7100..7243, 7173..7232, 7250..7513, 7260..7505, 7385..7516, 7610..7738, 7981..8088, 8089..8244, 8330..8386, 8423..8548, 8438..8554, 8634..8699, 8635..8685, 8745..8843, 10994..11038, 11154..11300		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o2.tw	Method	TBLASTX:Wheat
Start	7289	End	20023
GI	none	Score	145
Exons	7289..7513, 7290..7505, 7385..7516, 7583..7738, 11183..11377, 19961..20023		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o4.tc	Method	TBLASTX:Cress
Start	8410	End	8897
GI	none	Score	151
Exons	8410..8529, 8411..8575, 8412..8546, 8629..8772, 8634..8873, 8634..8897, 8635..8892		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o3.tm	Method	TBLASTX:Maize
Start	19604	End	21980
GI	none	Score	162
Exons	19604..19729, 19618..19731, 19619..19732, 19870..20016, 19870..20016, 19874..20017, 19878..20030, 20086..20229, 20114..20230, 20117..20239, 20118..20237, 20666..20767, 20674..20766, 20685..20768, 21272..21403, 21273..21404, 21281..21406, 21310..21408, 21470..21535, 21472..21537, 21474..21533, 21474..21545, 21476..21535, 21645..21713, 21649..21726, 21651..21719, 21842..21898, 21846..21902, 21921..21980		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o3.ts	Method	TBLASTX:Soybean
Start	19633	End	21895
GI	none	Score	145
Exons	19633..19731, 19634..19732, 19873..20010, 19873..20010, 19877..20017, 19878..20030, 20107..20229, 20117..20209, 20117..20239, 20118..20237, 20666..20767, 20674..20766, 21272..21403, 21273..21404, 21308..21415, 21465..21533, 21472..21537, 21475..21534, 21476..21535, 21645..21725, 21649..21726, 21651..21719, 21842..21895		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o2.tc	Method	TBLASTX:Cress
Start	19633	End	21887
GI	none	Score	142
Exons	19633..19731, 19634..19732, 19864..20016, 19864..20016, 19877..20017, 19878..20030, 20114..20236, 20116..20229, 20117..20239, 20118..20237, 20125..20238, 20666..20767, 20674..20766, 21272..21403, 21273..21404, 21281..21406, 21310..21408, 21472..21537, 21474..21533, 21474..21548, 21476..21535, 21642..21719, 21649..21726, 21846..21887		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o6.gs	Method	GENSCAN
Start	22458	End	25854
GI	none	Score	.78
Exons	22458..22482, 22617..22862, 23021..23178, 23397..23601, 24417..24706, 24780..24942, 25029..25117, 25218..25285, 25692..25854		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o5.np	Method	AAT/NAP
Start	22613	End	25920
GI	5080778	Score	1256

Exons	22613..22877, 23021..23178, 23397..23601, 24417..24706, 24780..24942, 25029..25121, 25481..25558, 25676..25920		
GI Descrip.	(AC007576) Similar to auxin-independent growth promoter protein [Arabidopsis thaliana]		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o6.ts	Method	TBLASTX:Soybean
Start	22655	End	23070
GI	none	Score	45
Exons	22655..22879, 22656..22691, 22664..22846, 22749..22886, 22908..22940, 23017..23070		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o5.tm	Method	TBLASTX:Maize
Start	22766	End	23483
GI	none	Score	113
Exons	22766..22879, 23005..23136, 23017..23178, 23018..23179, 23018..23179, 23394..23483		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o6.tc	Method	TBLASTX:Cress
Start	23017	End	24709
GI	none	Score	75
Exons	23017..23166, 23425..23550, 23436..23546, 24425..24517, 24462..24512, 24530..24709, 24543..24614, 24636..24704		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o5.ts	Method	TBLASTX:Soybean
Start	23101	End	23646
GI	none	Score	69
Exons	23101..23178, 23102..23179, 23392..23466, 23394..23603, 23430..23603, 23494..23646		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o4.tm	Method	TBLASTX:Maize
Start	23493	End	25277
GI	none	Score	67
Exons	23493..23603, 24379..24519, 24416..24532, 24530..24709, 24597..24707, 24777..24818, 24855..24944, 25022..25117, 25035..25127, 25224..25277, 25224..25274		

Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o1.ts	Method	TBLASTX:Soybean
Start	24416	End	24951
GI	none	Score	142

Exons	24416..24709, 24417..24614, 24428..24673, 24636..24710, 24777..24830, 24777..24944, 24787..24834, 24856..24951		
Seq. No.	44181	Seq. ID	OJ000150_28.0323.C55
Gene No.	93030	Strand	-
Start	22458	End	25920
Name	OJ000150_28.0323.C55.o8.ts	Method	TBLASTX:Soybean
Start	25022	End	25283
GI	none	Score	77
Exons	25022..25117, 25035..25118, 25215..25283, 25227..25283		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93031	Strand	+
Start	2424	End	5752
Name	OJ000150_28.0323.C56.o1.np	Method	AAT/NAP
Start	2424	End	5752
GI	7486939	Score	544
Exons	2424..2445, 3960..4997, 5660..5752		
GI Descrip.	hypothetical protein T13E15.11 - Arabidopsis thaliana gi|2344896|gb|AAC31836.1| (AC002388) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93031	Strand	+
Start	2424	End	5752
Name	OJ000150_28.0323.C56.o3.gs	Method	GENSCAN
Start	3808	End	5007
GI	none	Score	.42
Exons	3808..5007		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o4.gs	Method	GENSCAN
Start	6365	End	20168
GI	none	Score	.44
Exons	6365..6469, 6780..6988, 7158..7440, 8188..8442, 9163..9261, 10268..10520, 10967..11077, 11150..11267, 11374..11769, 11856..12053, 12168..12298, 12971..13076, 14850..15010, 17434..17552, 18792..20168		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o1.gp	Method	AAT/GAP
Start	6606	End	7192
GI	2443136	Score	877
Exons	6606..6658, 6780..7192		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o2.np	Method	AAT/NAP
Start	8061	End	12327
GI	7340661	Score	1418
Exons	8061..8320, 8368..8442, 9163..9261, 10268..10520, 10967..11077, 11150..11286, 11374..11487, 11570..11769, 11856..11991,		

	12106..12327		
GI Descrip.	(AL162506) putative protein [Arabidopsis thaliana]		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o3.gp	Method	AAT/GAP
Start	10268	End	11184
GI	16543_1.R1084	Score	699
Exons	10268..10520, 10967..11077, 11150..11184		
GI Descrip.	'4584546/emb|CAB40776.1| 3.0e-50 (AL049608) putative protein [Arabidopsis thaliana]'		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o4.gp	Method	AAT/GAP
Start	17705	End	19395
GI	25092_1.R1084	Score	1392
Exons	17705..18017, 18963..19395		
GI Descrip.	'3386546 1.0e-37 (AF079503) H-protein promoter binding factor-2a [Arabidopsis thaliana]'		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93032	Strand	+
Start	6365	End	20168
Name	OJ000150_28.0323.C56.o3.np	Method	AAT/NAP
Start	19041	End	20165
GI	7484760	Score	512
Exons	19041..19831, 19862..20165		
GI Descrip.	ascorbate oxidase promoter-binding protein AOBP - winter squash gi|1669341|dbj|BAA08094.1| (D45066) AOBP (ascorbate oxidase promoter-binding protein) [Cucurbita maxima]		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93033	Strand	+
Start	25512	End	25742
Name	OJ000150_28.0323.C56.o8.gp	Method	AAT/GAP
Start	25512	End	25742
GI	uC-osrocyp002b09a1	Score	254
Exons	25512..25742		
GI Descrip.	'4768980/gb|AAD29703.1|AF140490_1 1.0e-35 (AF140490) heat-shock protein [Oryza sativa]'		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93034	Strand	+
Start	33087	End	36463
Name	OJ000150_28.0323.C56.o7.gs	Method	GENSCAN
Start	33087	End	36463
GI	none	Score	.57
Exons	33087..33314, 33858..33967, 34007..34077, 34193..34236, 34613..34783, 35278..35447, 36244..36463		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93035	Strand	+
Start	39759	End	40326
Name	OJ000150_28.0323.C56.o11.gp	Method	AAT/GAP

Start	39759	End	40326
GI	uC-osf1M202098g11b1	Score	674
Exons	39759..39790, 39897..40326		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93036	Strand	+
Start	42690	End	45795
Name	OJ000150_28.0323.C56.o10.gs	Method	GENSCAN
Start	42690	End	45795
GI	none	Score	.8
Exons	42690..42747, 43181..43309, 43649..43818, 44153..44251, 44367..44435, 44670..44810, 44994..45083, 45182..45349, 45434..45509, 45671..45795		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93037	Strand	+
Start	46534	End	47150
Name	OJ000150_28.0323.C56.o13.gp	Method	AAT/GAP
Start	46534	End	47150
GI	22766_1.R1084	Score	1211
Exons	46534..47150		
GI Descrip.	'2852449/dbj|BAA24695| 5.0e-29 (D88207) protein kinase [Arabidopsis thaliana] >gi_2947061 (AC002521) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93038	Strand	+
Start	53296	End	54099
Name	OJ000150_28.0323.C56.o12.gs	Method	GENSCAN
Start	53296	End	54099
GI	none	Score	.74
Exons	53296..53343, 53675..53756, 53927..54099		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93039	Strand	-
Start	1823	End	2476
Name	OJ000150_28.0323.C56.o1.gs	Method	GENSCAN
Start	1823	End	2476
GI	none	Score	.94
Exons	1823..2476		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93040	Strand	-
Start	3437	End	3672
Name	OJ000150_28.0323.C56.o2.gs	Method	GENSCAN
Start	3437	End	3672
GI	none	Score	.75
Exons	3437..3571, 3589..3672		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93041	Strand	-
Start	19553	End	20540
Name	OJ000150_28.0323.C56.o5.gp	Method	AAT/GAP
Start	19553	End	20540
GI	1626_1.R1084	Score	1964

Exons	19553..20540
GI Descrip.	'1669341/dbj|BAA08094| 2.0e-24 (D45066) AOBP (ascorbate oxidase promoter-binding protein) [Cucurbita maxima]'

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93042	Strand	-
Start	23332	End	24640
Name	OJ000150_28.0323.C56.o6.gp	Method	AAT/GAP
Start	23332	End	24640
GI	none	Score	1101
Exons	23332..23723, 23826..23910, 24297..24335, 24550..24640		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93043	Strand	-
Start	24720	End	24932
Name	OJ000150_28.0323.C56.o7.gp	Method	AAT/GAP
Start	24720	End	24932
GI	568941	Score	401
Exons	24720..24932		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93044	Strand	-
Start	26791	End	28934
Name	OJ000150_28.0323.C56.o9.gp	Method	AAT/GAP
Start	26791	End	28934
GI	none	Score	736
Exons	26791..27071, 28814..28934		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93045	Strand	-
Start	31968	End	32300
Name	OJ000150_28.0323.C56.o6.gs	Method	GENSCAN
Start	31968	End	32300
GI	none	Score	.66
Exons	31968..32300		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93046	Strand	-
Start	36507	End	38652
Name	OJ000150_28.0323.C56.o8.gs	Method	GENSCAN
Start	36507	End	38652
GI	none	Score	.94
Exons	36507..36975, 37922..38147, 38601..38652		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93047	Strand	-
Start	39520	End	39714
Name	OJ000150_28.0323.C56.o10.gp	Method	AAT/GAP
Start	39520	End	39714
GI	1037042	Score	252
Exons	39520..39714		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93048	Strand	-
Start	40565	End	41179
Name	OJ000150_28.0323.C56.o12.gp	Method	AAT/GAP
Start	40565	End	41179

GI	none	Score	855
Exons	40565..40683, 40822..41179		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o11.gs	Method	GENSCAN
Start	46765	End	50417
GI	none	Score	.67
Exons	46765..47219, 47747..47870, 47963..48099, 48202..48337, 48425..48727, 49835..50019, 50078..50417		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o4.np	Method	AAT/NAP
Start	46768	End	49589
GI	2852447	Score	1238
Exons	46768..47219, 47747..47870, 47963..48099, 48202..48337, 48425..48794, 49528..49589		
GI Descrip.	(D88206) protein kinase [Arabidopsis thaliana]		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o14.gp	Method	AAT/GAP
Start	48044	End	48850
GI	18638_1.R1084	Score	1173
Exons	48044..48099, 48202..48337, 48425..48850		
GI Descrip.	'2852449/dbj|BAA24695| 4.0e-72 (D88207) protein kinase [Arabidopsis thaliana] >gi_2947061 (AC002521) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o15.gp	Method	AAT/GAP
Start	48906	End	49159
GI	none	Score	480
Exons	48906..49159		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o16.gp	Method	AAT/GAP
Start	49994	End	50383
GI	none	Score	744
Exons	49994..50383		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o5.np	Method	AAT/NAP
Start	50252	End	56454
GI	5734709	Score	83
Exons	50252..50398, 55805..56083, 56318..56454		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain.		

[Arabidopsis thaliana]

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93049	Strand	-
Start	46765	End	56454
Name	OJ000150_28.0323.C56.o13.gs	Method	GENSCAN
Start	55806	End	56363
GI	none	Score	.99
Exons	55806..56363		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93050	Strand	-
Start	57137	End	57701
Name	OJ000150_28.0323.C56.o14.gs	Method	GENSCAN
Start	57137	End	57701
GI	none	Score	.72
Exons	57137..57166, 57324..57401, 57446..57623, 57628..57701		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o5.tc	Method	TBLASTX:Cress
Start	3832	End	4529
GI	none	Score	44
Exons	3832..3867, 3955..4293, 4045..4230, 4099..4230, 4225..4515, 4228..4515, 4326..4529		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o5.tm	Method	TBLASTX:Maize
Start	3952	End	4968
GI	none	Score	66
Exons	3952..4074, 4060..4254, 4060..4236, 4150..4302, 4203..4538, 4204..4527, 4225..4527, 4279..4539, 4345..4527, 4545..4583, 4659..4718, 4660..4968, 4770..4967		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o3.tw	Method	TBLASTX:Wheat
Start	4078	End	4524
GI	none	Score	118
Exons	4078..4221, 4078..4224, 4225..4320, 4354..4452, 4372..4524		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o5.ts	Method	TBLASTX:Soybean
Start	4150	End	4974
GI	none	Score	74
Exons	4150..4311, 4657..4974		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o6.tc	Method	TBLASTX:Cress

Start	4660	End	4974
GI	none	Score	259
Exons	4660..4974, 4663..4896		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o7.tm	Method	TBLASTX:Maize
Start	6768	End	7716
GI	none	Score	118
Exons	6768..6854, 6769..6855, 6769..6855, 6816..6914, 6855..6911, 7223..7378, 7223..7291, 7225..7380, 7467..7556, 7467..7547, 7636..7716		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o2.ts	Method	TBLASTX:Soybean
Start	8254	End	12000
GI	none	Score	55
Exons	8254..8319, 8398..8445, 9160..9261, 9160..9261, 9162..9266, 10262..10489, 10273..10431, 10429..10518, 10430..10519, 10965..11081, 10966..11079, 11145..11279, 11148..11276, 11149..11286, 11149..11280, 11371..11487, 11372..11533, 11376..11486, 11573..11767, 11582..11770, 11853..11963, 11854..12000		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o2.tc	Method	TBLASTX:Cress
Start	8398	End	11985
GI	none	Score	70
Exons	8398..8445, 9160..9264, 10250..10519, 10264..10500, 10346..10519, 10965..11036, 10966..11079, 11145..11264, 11149..11289, 11149..11280, 11353..11496, 11386..11481, 11573..11767, 11878..11985		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o2.tm	Method	TBLASTX:Maize
Start	10325	End	19188
GI	none	Score	255
Exons	10325..10519, 10327..10518, 10965..11081, 10966..11079, 11145..11309, 11149..11289, 11371..11487, 11373..11486, 11573..11767, 11632..11721, 11851..11997, 11854..11997, 12166..12330, 19054..19188		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o2.tw	Method	TBLASTX:Wheat
Start	11419	End	11991
GI	none	Score	76
Exons	11419..11487, 11567..11764, 11573..11809, 11848..11991, 11871..11942		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o3.ts	Method	TBLASTX:Soybean
Start	19065	End	19319
GI	none	Score	331
Exons	19065..19319, 19142..19174, 19214..19312		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o3.tc	Method	TBLASTX:Cress
Start	19089	End	20159
GI	none	Score	341
Exons	19089..19334, 19142..19177, 19214..19330, 19848..19883, 19914..20006, 20106..20159		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o3.tm	Method	TBLASTX:Maize
Start	19217	End	19797
GI	none	Score	407
Exons	19217..19501, 19218..19502, 19570..19638, 19580..19678, 19584..19646, 19638..19676, 19638..19676, 19683..19718, 19694..19717, 19719..19796, 19743..19784, 19744..19797		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o6.ts	Method	TBLASTX:Soybean
Start	19671	End	20189
GI	none	Score	53
Exons	19671..19718, 19743..19784, 19890..20012, 20067..20189		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o6.tm	Method	TBLASTX:Maize
Start	19854	End	20286
GI	none	Score	297
Exons	19854..20072, 19854..20036, 19870..20127, 19944..20168, 19981..20055, 20088..20168, 20089..20169, 20090..20170, 20090..20170, 20237..20260, 20237..20260, 20238..20261, 20239..20286		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o4.tc	Method	TBLASTX:Cress
Start	23641	End	24721
GI	none	Score	79
Exons	23641..23727, 23642..23728, 23791..23913, 23825..23914, 24297..24338, 24550..24711, 24551..24721		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56

Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o4.ts	Method	TBLASTX:Soybean
Start	24556	End	24721
GI	none	Score	181
Exons	24556..24705, 24557..24721		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o12.tm	Method	TBLASTX:Maize
Start	24595	End	24721
GI	none	Score	182
Exons	24595..24711, 24596..24721		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o9.tm	Method	TBLASTX:Maize
Start	28926	End	29086
GI	none	Score	241
Exons	28926..29078, 28931..29086		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o4.tm	Method	TBLASTX:Maize
Start	35255	End	45805
GI	none	Score	80
Exons	35255..35329, 35272..35337, 35274..35330, 35278..35337, 35338..35370, 35340..35390, 35341..35370, 44667..44822, 44667..44726, 44711..44812, 44746..44814, 44988..45083, 44989..45084, 44994..45083, 45180..45350, 45181..45351, 45182..45349, 45226..45351, 45428..45502, 45431..45511, 45433..45510, 45669..45794, 45670..45795, 45706..45795, 45719..45805		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o7.ts	Method	TBLASTX:Soybean
Start	35278	End	45074
GI	none	Score	75
Exons	35278..35337, 44382..44477, 44652..44813, 44705..44812, 44988..45074, 44990..45067, 44994..45074		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o8.tm	Method	TBLASTX:Maize
Start	36546	End	36908
GI	none	Score	46
Exons	36546..36584, 36551..36583, 36629..36682, 36630..36659, 36683..36907, 36734..36781, 36861..36908		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-

Start	58088	End	59423
Name	OJ000150_28.0323.C56.o11.tm	Method	TBLASTX:Maize
Start	43155	End	43311
GI	none	Score	203
Exons	43155..43310, 43162..43308, 43165..43311		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o1.tm	Method	TBLASTX:Maize
Start	46763	End	49589
GI	none	Score	54
Exons	46763..46825, 46765..46809, 46805..46837, 46821..47222, 46834..47220, 46835..47224, 47745..47870, 47746..47871, 47747..47905, 47958..48098, 47959..48099, 47963..48097, 47966..48106, 48201..48338, 48202..48342, 48203..48337, 48207..48341, 48414..48782, 48421..48783, 48425..48736, 48427..48783, 49532..49582, 49533..49589		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o1.ts	Method	TBLASTX:Soybean
Start	46843	End	48722
GI	none	Score	150
Exons	46843..47220, 46915..47220, 46943..47224, 47745..47867, 47745..47870, 47746..47877, 47958..48098, 47963..48097, 48201..48251, 48203..48256, 48251..48337, 48255..48338, 48414..48722, 48425..48721		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o1.tc	Method	TBLASTX:Cress
Start	46908	End	48779
GI	none	Score	258
Exons	46908..47210, 46912..47220, 46943..47224, 47021..47224, 47070..47225, 47710..47877, 47745..47870, 47937..48098, 47960..48106, 47963..48097, 48200..48331, 48203..48337, 48204..48338, 48425..48712, 48426..48713, 48720..48779		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o1.tw	Method	TBLASTX:Wheat
Start	47054	End	48085
GI	none	Score	95
Exons	47054..47224, 47056..47220, 47742..47864, 47745..47870, 47746..47877, 47764..47871, 47963..48052, 47963..48085, 47967..48080		

Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o7.tc	Method	TBLASTX:Cress
Start	55923	End	56178
GI	none	Score	193

Exons	55923..56078, 55927..56178, 56139..56177		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o10.tm	Method	TBLASTX:Maize
Start	55981	End	56190
GI	none	Score	249
Exons	55981..56190, 55983..56078, 56142..56177		
Seq. No.	44182	Seq. ID	OJ000150_28.0323.C56
Gene No.	93051	Strand	-
Start	58088	End	59423
Name	OJ000150_28.0323.C56.o15.gs	Method	GENSCAN
Start	58088	End	59423
GI	none	Score	.53
Exons	58088..58319, 59389..59423		
Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93052	Strand	+
Start	12508	End	13476
Name	OJ000150_28.0323.C57.o3.gs	Method	GENSCAN
Start	12508	End	13476
GI	none	Score	.92
Exons	12508..13476		
Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93053	Strand	-
Start	2236	End	2893
Name	OJ000150_28.0323.C57.o1.gp	Method	AAT/GAP
Start	2236	End	2893
GI	29968_1.R1084	Score	1197
Exons	2236..2893		
GI Descrip.	'2723470/dbj|D87819|D87819 2.0e-33 Oryza sativa mRNA for sucrose transporter, complete cds'		
Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93054	Strand	-
Start	2854	End	4783
Name	OJ000150_28.0323.C57.o1.np	Method	AAT/NAP
Start	2854	End	4783
GI	6644295	Score	604
Exons	2854..3064, 3142..3297, 4142..4572, 4693..4783		
GI Descrip.	(AF208044) homeodomain leucine-zipper protein ATHB13 [Arabidopsis thaliana] gi|6665539|gb|AAF22908.1|AC013289_2 (AC013289) homeobox gene 13 protein [Arabidopsis thaliana]		
Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93055	Strand	-
Start	5332	End	7363
Name	OJ000150_28.0323.C57.o2.np	Method	AAT/NAP
Start	5332	End	7363
GI	6069646	Score	932
Exons	5332..6315, 6597..7363		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93056	Strand	-
Start	9796	End	11221
Name	OJ000150_28.0323.C57.o3.np	Method	AAT/NAP
Start	9796	End	11221
GI	5852084	Score	81
Exons	9796..9878, 11165..11221		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93057	Strand	-
Start	15228	End	22020
Name	OJ000150_28.0323.C57.o4.gs	Method	GENSCAN
Start	15228	End	21860
GI	none	Score	.85
Exons	15228..15233, 15916..15996, 16002..16151, 16268..16311, 16395..16458, 16561..16794, 16904..17047, 17166..17360, 17586..17661, 17828..17927, 18094..18127, 18215..18299, 18365..18429, 18949..19014, 21624..21860		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93057	Strand	-
Start	15228	End	22020
Name	OJ000150_28.0323.C57.o2.gp	Method	AAT/GAP
Start	15621	End	22020
GI	199_1.R1084	Score	3922
Exons	15621..16151, 16268..16311, 16395..16458, 16561..16794, 16904..17047, 17166..17360, 17586..17661, 17828..17927, 18094..18127, 18215..18299, 18365..18429, 18519..18617, 18949..19014, 21624..22020		
GI Descrip.	'2723471/dbj|BAA24071| 0.0e+00 (D87819) sucrose transporter [Oryza sativa]'		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93057	Strand	-
Start	15228	End	22020
Name	OJ000150_28.0323.C57.o4.np	Method	AAT/NAP
Start	15981	End	21860
GI	7489560	Score	2413
Exons	15981..16151, 16268..16311, 16395..16458, 16561..16794, 16904..17047, 17166..17360, 17586..17661, 17828..17927, 18094..18127, 18215..18299, 18365..18429, 18519..18617, 18949..19014, 21624..21860		
GI Descrip.	probable sucrose transport protein - rice gi|2723471|dbj|BAA24071.1| (D87819) sucrose transporter [Oryza sativa]		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o3.tm	Method	TBLASTX:Maize
Start	3211	End	4420
GI	none	Score	83
Exons	3211..3267, 4139..4420, 4266..4406		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o1.tc	Method	TBLASTX:Cress
Start	4139	End	4420
GI	none	Score	93
Exons	4139..4420, 4257..4409		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o1.ts	Method	TBLASTX:Soybean
Start	4193	End	4420
GI	none	Score	89
Exons	4193..4420, 4266..4409		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o1.tw	Method	TBLASTX:Wheat
Start	4214	End	4414
GI	none	Score	121
Exons	4214..4414, 4257..4409		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o4.tm	Method	TBLASTX:Maize
Start	5438	End	5934
GI	none	Score	84
Exons	5438..5560, 5579..5824, 5709..5810, 5854..5934		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o7.tm	Method	TBLASTX:Maize
Start	6028	End	6354
GI	none	Score	106
Exons	6028..6135, 6142..6354, 6143..6319		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o2.tw	Method	TBLASTX:Wheat
Start	6339	End	6737
GI	none	Score	96
Exons	6339..6452, 6441..6737, 6445..6735		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o2.tm	Method	TBLASTX:Maize
Start	6378	End	7063
GI	none	Score	41
Exons	6378..6752, 6604..6633, 6670..6747, 6776..7063, 6858..7031		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o3.tw	Method	TBLASTX:Wheat
Start	6860	End	7136
GI	none	Score	74
Exons	6860..7135, 6909..7136		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o5.tm	Method	TBLASTX:Maize
Start	7073	End	7366
GI	none	Score	148
Exons	7073..7366, 7095..7340		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o6.tm	Method	TBLASTX:Maize
Start	15987	End	16313
GI	none	Score	235
Exons	15987..16190, 15988..16158, 16263..16313, 16265..16312		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o4.ts	Method	TBLASTX:Soybean
Start	16029	End	16638
GI	none	Score	68
Exons	16029..16166, 16030..16131, 16265..16312, 16375..16464, 16558..16638		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o1.tm	Method	TBLASTX:Maize
Start	16375	End	21720
GI	none	Score	82
Exons	16375..16458, 16394..16459, 16558..16812, 16559..16792, 16901..17047, 16902..17048, 17163..17255, 17164..17235, 17289..17360, 17584..17664, 17595..17660, 17828..17929, 17829..17933, 17830..17952, 17830..17928, 18089..18127, 18090..18128, 18215..18304, 18216..18314, 18365..18436, 18367..18441, 18508..18624, 18516..18623, 18946..19017, 18946..19023, 21624..21719, 21624..21719, 21625..21720		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o2.ts	Method	TBLASTX:Soybean
Start	16774	End	17234
GI	none	Score	64
Exons	16774..16812, 16901..17047, 16902..16943, 16904..17071, 17163..17234		

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57

Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o3.ts	Method	TBLASTX:Soybean
Start	18242	End	21686
GI	none	Score	86
Exons	18242..18304, 18341..18448, 18515..18616, 18516..18623, 21624..21686	18367..18441, 18499..18624, 18946..19023, 18947..19015,	

Seq. No.	44183	Seq. ID	OJ000150_28.0323.C57
Gene No.	93058	Strand	-
Start	23102	End	23718
Name	OJ000150_28.0323.C57.o5.gs	Method	GENSCAN
Start	23102	End	23718
GI	none	Score	.79
Exons	23102..23223, 23663..23718		

Seq. No.	44184	Seq. ID	OJ000150_28.0323.C58
Gene No.	93059	Strand	+
Start	94	End	328
Name	OJ000150_28.0323.C58.o1.gs	Method	GENSCAN
Start	94	End	328
GI	none	Score	.42
Exons	94..173, 220..328		

Seq. No.	44184	Seq. ID	OJ000150_28.0323.C58
Gene No.	93060	Strand	+
Start	1168	End	3293
Name	OJ000150_28.0323.C58.o1.np	Method	AAT/NAP
Start	1168	End	3293
GI	1076814	Score	53
Exons	1168..1316, 3260..3293		
GI Descrip.	maturase-related protein - maize (fragment) gi|840925 (U09987) maturase-related protein [Zea mays]		

Seq. No.	44184	Seq. ID	OJ000150_28.0323.C58
Gene No.	93061	Strand	-
Start	2521	End	3579
Name	OJ000150_28.0323.C58.o2.gs	Method	GENSCAN
Start	2521	End	3579
GI	none	Score	.41
Exons	2521..2622, 3217..3579		

Seq. No.	44185	Seq. ID	OJ000150_28.0323.C65
Gene No.	93062	Strand	-
Start	1	End	756
Name	OJ000150_28.0323.C65.o1.np	Method	AAT/NAP
Start	1	End	756
GI	7485066	Score	415
Exons	1..756		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244839|emb|CAB10261.1| (Z97337) hypothetical protein [Arabidopsis thaliana] gi|7268228|emb|CAB78524.1| (AL161540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44185	Seq. ID	OJ000150_28.0323.C65
Gene No.	93062	Strand	-

Start	1	End	756
Name	OJ000150_28.0323.C65.o1.tm	Method	TBLASTX:Maize
Start	185	End	749
GI	none	Score	172
Exons	185..748, 186..626, 377..427,	539..715, 675..749	

Seq. No.	44185	Seq. ID	OJ000150_28.0323.C65
Gene No.	93062	Strand	-
Start	1	End	756
Name	OJ000150_28.0323.C65.o1.ts	Method	TBLASTX:Soybean
Start	185	End	619
GI	none	Score	108
Exons	185..619, 344..619		

Seq. No.	44185	Seq. ID	OJ000150_28.0323.C65
Gene No.	93062	Strand	-
Start	1	End	756
Name	OJ000150_28.0323.C65.o1.tc	Method	TBLASTX:Cress
Start	200	End	706
GI	none	Score	166
Exons	200..706, 363..695		

Seq. No.	44185	Seq. ID	OJ000150_28.0323.C65
Gene No.	93062	Strand	-
Start	1	End	756
Name	OJ000150_28.0323.C65.o1.tw	Method	TBLASTX:Wheat
Start	350	End	751
GI	none	Score	188
Exons	350..418, 494..751		

Seq. No.	44186	Seq. ID	OJ000350_27.0323.C2
Gene No.	93063	Strand	+
Start	956	End	1063
Name	OJ000350_27.0323.C2.o1.gs	Method	GENSCAN
Start	956	End	1063
GI	none	Score	.87
Exons	956..1063		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93064	Strand	+
Start	3512	End	6264
Name	OJ000350_27.0323.C3.o1.gp	Method	AAT/GAP
Start	3512	End	6137
GI	61605_1.R1084	Score	766
Exons	3512..3536, 3742..4021, 4652..4732, 5864..6137		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93064	Strand	+
Start	3512	End	6264
Name	OJ000350_27.0323.C3.o1.np	Method	AAT/NAP
Start	4627	End	6264
GI	5852175	Score	114
Exons	4627..4683, 5257..5352, 5969..6014, 6208..6264		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93064	Strand	+
Start	3512	End	6264
Name	OJ000350_27.0323.C3.o3.np	Method	AAT/NAP
Start	4627	End	6001
GI	5852175	Score	122
Exons	4627..4683, 5257..5352, 5969..6001		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93065	Strand	-
Start	2253	End	4252
Name	OJ000350_27.0323.C3.o2.np	Method	AAT/NAP
Start	2253	End	4252
GI	5852179	Score	296
Exons	2253..2308, 3706..3942, 4017..4252		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93065	Strand	-
Start	2253	End	4252
Name	OJ000350_27.0323.C3.o2.gs	Method	GENSCAN
Start	3265	End	4126
GI	none	Score	.91
Exons	3265..3673, 3704..3982, 4020..4126		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93066	Strand	-
Start	4623	End	6759
Name	OJ000350_27.0323.C3.o3.gs	Method	GENSCAN
Start	4623	End	6549
GI	none	Score	.81
Exons	4623..4748, 5840..5920, 6272..6549		

Seq. No.	44187	Seq. ID	OJ000350_27.0323.C3
Gene No.	93066	Strand	-
Start	4623	End	6759
Name	OJ000350_27.0323.C3.o4.np	Method	AAT/NAP
Start	6066	End	6759
GI	7340909	Score	142
Exons	6066..6313, 6496..6759		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44188	Seq. ID	OJ000350_27.0323.C4
Gene No.	93067	Strand	-
Start	1017	End	1115
Name	OJ000350_27.0323.C4.o1.gs	Method	GENSCAN
Start	1017	End	1115
GI	none	Score	.53
Exons	1017..1115		

Seq. No.	44189	Seq. ID	OJ000350_27.0323.C7
Gene No.	93068	Strand	+
Start	271	End	540
Name	OJ000350_27.0323.C7.o1.gs	Method	GENSCAN
Start	271	End	540
GI	none	Score	.85

Exons	271..540		
Seq. No.	44189	Seq. ID	OJ000350_27.0323.C7
Gene No.	93069	Strand	-
Start	2051	End	2740
Name	OJ000350_27.0323.C7.o2.gs	Method	GENSCAN
Start	2051	End	2740
GI	none	Score	.41
Exons	2051..2219, 2668..2740		
Seq. No.	44190	Seq. ID	OJ000350_27.0323.C8
Gene No.	93070	Strand	+
Start	3156	End	4661
Name	OJ000350_27.0323.C8.o1.gs	Method	GENSCAN
Start	3156	End	4661
GI	none	Score	.75
Exons	3156..4661		
Seq. No.	44190	Seq. ID	OJ000350_27.0323.C8
Gene No.	93070	Strand	+
Start	3156	End	4661
Name	OJ000350_27.0323.C8.o1.tw	Method	TBLASTX:Wheat
Start	3222	End	3479
GI	none	Score	274
Exons	3222..3473, 3233..3475, 3236..3478, 3420..3479		
Seq. No.	44190	Seq. ID	OJ000350_27.0323.C8
Gene No.	93070	Strand	+
Start	3156	End	4661
Name	OJ000350_27.0323.C8.o1.np	Method	AAT/NAP
Start	3246	End	4643
GI	6730728	Score	774
Exons	3246..4643		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	44190	Seq. ID	OJ000350_27.0323.C8
Gene No.	93070	Strand	+
Start	3156	End	4661
Name	OJ000350_27.0323.C8.o2.ts	Method	TBLASTX:Soybean
Start	3246	End	3478
GI	none	Score	181
Exons	3246..3470, 3248..3478		
Seq. No.	44190	Seq. ID	OJ000350_27.0323.C8
Gene No.	93070	Strand	+
Start	3156	End	4661
Name	OJ000350_27.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	3546	End	4517
GI	none	Score	141
Exons	3546..3704, 3572..3694, 3701..3778, 3705..3797, 4401..4517		
Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93071	Strand	+
Start	2826	End	7561
Name	OJ000350_27.0323.C9.o1.np	Method	AAT/NAP
Start	2826	End	3149
GI	1710792	Score	317

Exons	2826..3149		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S10		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93071	Strand	+
Start	2826	End	7561
Name	OJ000350_27.0323.C9.o2.gs	Method	GENSCAN
Start	2826	End	7561
GI	none	Score	.44
Exons	2826..3156, 4716..4852, 4896..5012, 5122..5216, 6606..7017, 7028..7236, 7352..7425, 7476..7561		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93072	Strand	+
Start	10113	End	10892
Name	OJ000350_27.0323.C9.o2.gp	Method	AAT/GAP
Start	9250	End	10892
GI	2315_5.R1084	Score	409
Exons	9250..9307, 10640..10892		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93072	Strand	+
Start	10113	End	10892
Name	OJ000350_27.0323.C9.o3.gs	Method	GENSCAN
Start	10113	End	10400
GI	none	Score	.56
Exons	10113..10400		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93073	Strand	-
Start	2783	End	3392
Name	OJ000350_27.0323.C9.o1.gp	Method	AAT/GAP
Start	2783	End	3392
GI	17896_1.R1084	Score	1081
Exons	2783..3392		
GI Descrip.	'2119076/pir||S55877 1.0e-21 ribosomal protein S10 - potato mitochondrion'		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93073	Strand	-
Start	2783	End	3392
Name	OJ000350_27.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	2783	End	3143
GI	none	Score	123
Exons	2783..2812, 2808..2960, 2816..2965, 2816..2968, 2817..2972, 2967..3038, 2967..2999, 2969..3010, 3081..3143		

Seq. No.	44191	Seq. ID	OJ000350_27.0323.C9
Gene No.	93073	Strand	-
Start	2783	End	3392
Name	OJ000350_27.0323.C9.o1.tc	Method	TBLASTX:Cress
Start	2835	End	3136
GI	none	Score	240
Exons	2835..3125, 2837..3016, 2936..3136, 3080..3127		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93074	Strand	+
Start	2851	End	14990
Name	OJ000350_27.0323.C10.o1.np	Method	AAT/NAP
Start	2851	End	14990
GI	5257279	Score	3673
Exons	2851..3373, 3722..3958, 4587..5492, 11360..11671, 11704..11758, 11802..13235, 13387..13549, 13661..14266, 14890..14990		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93074	Strand	+
Start	2851	End	14990
Name	OJ000350_27.0323.C10.o3.gs	Method	GENSCAN
Start	9953	End	14750
GI	none	Score	.5
Exons	9953..10364, 10809..11528, 11964..12945, 13111..13255, 13530..13677, 13720..14750		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93075	Strand	-
Start	7421	End	9624
Name	OJ000350_27.0323.C10.o6.tw	Method	TBLASTX:Wheat
Start	4479	End	4865
GI	none	Score	156
Exons	4479..4694, 4719..4865		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93075	Strand	-
Start	7421	End	9624
Name	OJ000350_27.0323.C10.o2.gs	Method	GENSCAN
Start	7421	End	9624
GI	none	Score	.94
Exons	7421..7533, 8441..8636, 8644..9624		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	9536	End	14774
GI	none	Score	65
Exons	9536..9658, 14057..14407, 14058..14423, 14436..14666, 14493..14693, 14540..14737, 14714..14773, 14715..14774		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o7.tm	Method	TBLASTX:Maize
Start	10496	End	10900
GI	none	Score	79
Exons	10496..10603, 10633..10731, 10637..10900		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o6.tm	Method	TBLASTX:Maize

Start	11066	End	11695
GI	none	Score	117
Exons	11066..11179, 11104..11169, 11233..11382, 11234..11524, 11606..11695		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	11906	End	12388
GI	none	Score	335
Exons	11906..12388, 11914..12354		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o4.tm	Method	TBLASTX:Maize
Start	11966	End	12433
GI	none	Score	475
Exons	11966..12433, 11971..12144, 11987..12169, 12187..12429		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	12365	End	12724
GI	none	Score	308
Exons	12365..12724, 12392..12505, 12496..12723		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	12440	End	12838
GI	none	Score	330
Exons	12440..12838, 12496..12804		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	12470	End	12988
GI	none	Score	634
Exons	12470..12988, 12496..12972		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o3.ts	Method	TBLASTX:Soybean
Start	12749	End	12991
GI	none	Score	203
Exons	12749..12991, 12751..12897		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o5.tm	Method	TBLASTX:Maize

Start	12989	End	13415
GI	none	Score	203
Exons	12989..13198, 12991..13161, 13184..13321, 13287..13415		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	13187	End	13583
GI	none	Score	87
Exons	13187..13285, 13290..13583, 13292..13405, 13323..13574, 13448..13582		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	13416	End	14053
GI	none	Score	783
Exons	13416..14051, 13517..14050, 13743..14051, 13922..14053		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	13437	End	13823
GI	none	Score	340
Exons	13437..13823, 13553..13771		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o5.tw	Method	TBLASTX:Wheat
Start	13671	End	14063
GI	none	Score	281
Exons	13671..14063, 13877..14050		

Seq. No.	44192	Seq. ID	OJ000350_27.0323.C10
Gene No.	93076	Strand	
Start	9536	End	14774
Name	OJ000350_27.0323.C10.o4.tw	Method	TBLASTX:Wheat
Start	14121	End	14435
GI	none	Score	328
Exons	14121..14435, 14144..14431		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93077	Strand	+
Start	6497	End	6580
Name	OJ000350_27.0323.C11.o3.gp	Method	AAT/GAP
Start	6497	End	6580
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	6497..6580		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11

Gene No.	93078	Strand	+
Start	10785	End	14762
Name	OJ000350_27.0323.C11.o3.gs	Method	GENSCAN
Start	10785	End	14762
GI	none	Score	.84
Exons	10785..10932, 12191..12220, 12892..12971, 14400..14597, 14676..14762		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93079	Strand	-
Start	2075	End	7305
Name	OJ000350_27.0323.C11.o1.gp	Method	AAT/GAP
Start	1917	End	2354
GI	none	Score	313
Exons	1917..1993, 2182..2354		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93079	Strand	-
Start	2075	End	7305
Name	OJ000350_27.0323.C11.o1.gs	Method	GENSCAN
Start	2075	End	7296
GI	none	Score	.82
Exons	2075..2181, 2921..3196, 3401..3840, 4551..4727, 4834..4985, 5097..5255, 6199..6226, 7121..7296		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93079	Strand	-
Start	2075	End	7305
Name	OJ000350_27.0323.C11.o2.gp	Method	AAT/GAP
Start	2203	End	2640
GI	569207	Score	806
Exons	2203..2640		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93079	Strand	-
Start	2075	End	7305
Name	OJ000350_27.0323.C11.o3.np	Method	AAT/NAP
Start	4516	End	7305
GI	6552743	Score	366
Exons	4516..4727, 4834..4985, 5097..5255, 5380..5623, 6104..6233, 7064..7305		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93080	Strand	-
Start	7641	End	8543
Name	OJ000350_27.0323.C11.o2.gs	Method	GENSCAN
Start	7641	End	8543
GI	none	Score	.62
Exons	7641..7826, 8511..8543		

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	4834	End	5267
GI	none	Score	180

Exons	4834..4986, 4834..4986, 4836..4994, 5104..5184, 5105..5167, 5106..5177, 5154..5183, 5185..5259, 5192..5260, 5193..5267		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o2.ts	Method	TBLASTX:Soybean
Start	4944	End	5572
GI	none	Score	53
Exons	4944..4985, 4945..4986, 5086..5268, 5100..5267, 5380..5451, 5406..5459, 5500..5571, 5501..5572		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o4.gs	Method	GENSCAN
Start	15894	End	17788
GI	none	Score	.77
Exons	15894..16076, 16487..16691, 17287..17405, 17674..17788		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o4.gp	Method	AAT/GAP
Start	16120	End	16697
GI	4727_1.R1084	Score	964
Exons	16120..16697		
GI Descrip.	'3894168 1.0e-12 (AC005312) similar to phloem-specific lectin [Arabidopsis thaliana]'		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	16177	End	16694
GI	none	Score	61
Exons	16177..16221, 16182..16223, 16227..16274, 16258..16299, 16260..16298, 16294..16458, 16295..16453, 16298..16462, 16299..16457, 16300..16458, 16459..16686, 16460..16684, 16461..16685, 16461..16694, 16594..16686		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o4.np	Method	AAT/NAP
Start	16270	End	16688
GI	6598841	Score	387
Exons	16270..16688		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		
Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	16300	End	16694
GI	none	Score	83
Exons	16300..16380, 16301..16384, 16396..16458, 16403..16441,		

16452..16682, 16461..16694, 16594..16686

Seq. No.	44193	Seq. ID	OJ000350_27.0323.C11
Gene No.	93081	Strand	-
Start	15894	End	17788
Name	OJ000350_27.0323.C11.o1.ts	Method	TBLASTX:Soybean
Start	16340	End	16694
GI	none	Score	72
Exons	16340..16435, 16342..16458, 16346..16444, 16461..16694, 16462..16554, 16494..16676, 16594..16683		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93082	Strand	+
Start	5236	End	9243
Name	OJ000350_27.0323.C12.o2.gs	Method	GENSCAN
Start	5236	End	9214
GI	none	Score	.62
Exons	5236..7110, 7158..8033, 8169..8417, 8729..9214		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93082	Strand	+
Start	5236	End	9243
Name	OJ000350_27.0323.C12.o2.np	Method	AAT/NAP
Start	5236	End	8165
GI	5902444	Score	4871
Exons	5236..8165		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93082	Strand	+
Start	5236	End	9243
Name	OJ000350_27.0323.C12.o3.np	Method	AAT/NAP
Start	8232	End	9243
GI	5902445	Score	1707
Exons	8232..9243		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o1.np	Method	AAT/NAP
Start	1060	End	6391
GI	7444451	Score	3813
Exons	1060..2009, 2047..2709, 2780..4724, 6334..6391		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	1075	End	1700
GI	none	Score	53
Exons	1075..1455, 1118..1243, 1337..1456, 1456..1500, 1457..1501, 1545..1700, 1570..1698		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o4.tc	Method	TBLASTX:Cress
Start	1084	End	1497
GI	none	Score	74
Exons	1084..1278, 1307..1405, 1312..1434, 1456..1497		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o5.tm	Method	TBLASTX:Maize
Start	1117	End	1504
GI	none	Score	36
Exons	1117..1404, 1137..1424, 1173..1283, 1177..1383, 1343..1405, 1411..1455, 1457..1504		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	1465	End	1901
GI	none	Score	203
Exons	1465..1500, 1506..1901, 1525..1899		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o4.tm	Method	TBLASTX:Maize
Start	1506	End	1769
GI	none	Score	153
Exons	1506..1769, 1573..1767		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o3.tc	Method	TBLASTX:Cress
Start	1731	End	2015
GI	none	Score	57
Exons	1731..2015, 1777..1929, 1974..2000		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o5.tw	Method	TBLASTX:Wheat
Start	1905	End	2452
GI	none	Score	72
Exons	1905..2027, 2107..2451, 2143..2298, 2354..2452		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	1965	End	2451
GI	none	Score	75
Exons	1965..2003, 2077..2451, 2090..2293		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	2122	End	2619
GI	5509260	Score	75
Exons	2122..2619, 2130..2300, 2228..2482, 2365..2496		
GI Descrip.	-		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	2233	End	2511
GI	none	Score	146
Exons	2233..2505, 2234..2506, 2365..2511		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o7.tw	Method	TBLASTX:Wheat
Start	3183	End	3581
GI	none	Score	151
Exons	3183..3581, 3221..3565		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	3221	End	3689
GI	none	Score	47
Exons	3221..3685, 3222..3341, 3396..3689		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o4.ts	Method	TBLASTX:Soybean
Start	3239	End	3658
GI	none	Score	273
Exons	3239..3658		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o6.tm	Method	TBLASTX:Maize
Start	3251	End	3676
GI	none	Score	110
Exons	3251..3610, 3291..3566, 3587..3676		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o5.ts	Method	TBLASTX:Soybean
Start	3680	End	4078
GI	none	Score	52
Exons	3680..3850, 3869..3982, 3995..4078		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o7.tm	Method	TBLASTX:Maize
Start	4160	End	4462
GI	none	Score	97
Exons	4160..4462, 4202..4462		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93083	Strand	-
Start	1060	End	6391
Name	OJ000350_27.0323.C12.o4.tw	Method	TBLASTX:Wheat
Start	4175	End	4520
GI	none	Score	214
Exons	4175..4507, 4175..4519, 4182..4520		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93084	Strand	
Start	6525	End	6927
Name	OJ000350_27.0323.C12.o6.tw	Method	TBLASTX:Wheat
Start	6525	End	6927
GI	none	Score	297
Exons	6525..6833, 6526..6927		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93085	Strand	
Start	7500	End	8297
Name	OJ000350_27.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	7500	End	8297
GI	none	Score	149
Exons	7500..7676, 7563..7676, 7721..7957, 7725..7955, 8004..8297, 8132..8293		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93085	Strand	
Start	7500	End	8297
Name	OJ000350_27.0323.C12.o8.tm	Method	TBLASTX:Maize
Start	7808	End	7955
GI	none	Score	182
Exons	7808..7954, 7809..7955		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o9.tw	Method	TBLASTX:Wheat
Start	8298	End	8530
GI	none	Score	212
Exons	8298..8498, 8318..8479, 8477..8530, 8482..8529		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	8307	End	8662
GI	none	Score	180
Exons	8307..8492, 8348..8491, 8477..8662, 8482..8649		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	8531	End	8950
GI	none	Score	455
Exons	8531..8950, 8533..8949		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	8690	End	9073
GI	none	Score	333
Exons	8690..9073, 8794..9072		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	8795	End	9226
GI	none	Score	320
Exons	8795..9226, 8842..8985, 8858..8986, 9022..9192		

Seq. No.	44194	Seq. ID	OJ000350_27.0323.C12
Gene No.	93086	Strand	
Start	8298	End	9241
Name	OJ000350_27.0323.C12.o8.tw	Method	TBLASTX:Wheat
Start	8954	End	9241
GI	none	Score	263
Exons	8954..9241, 8965..9240		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93087	Strand	+
Start	1	End	1487
Name	OJ000350_27.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	1484
GI	5902445	Score	2555
Exons	1..1484		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93087	Strand	+
Start	1	End	1487
Name	OJ000350_27.0323.C13.o1.gs	Method	GENSCAN
Start	18	End	1487
GI	none	Score	.76
Exons	18..1487		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o4.tw	Method	TBLASTX:Wheat
Start	57	End	356
GI	none	Score	134
Exons	57..191, 216..356		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	353	End	716
GI	none	Score	446
Exons	353..664, 354..677, 374..688, 668..715, 669..716		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	359	End	746
GI	none	Score	420
Exons	359..670, 360..746, 561..746		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o3.tm	Method	TBLASTX:Maize
Start	818	End	1091
GI	none	Score	95
Exons	818..916, 819..917, 908..994, 912..995, 1005..1091		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	861	End	1475
GI	none	Score	271
Exons	861..1139, 1022..1123, 1194..1352, 1338..1475, 1349..1471		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	1203	End	1436
GI	none	Score	153
Exons	1203..1355, 1304..1354, 1334..1435, 1335..1436		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o2.gs	Method	GENSCAN
Start	1805	End	4746
GI	none	Score	.85
Exons	1805..2253, 2326..2430, 2503..2692, 2768..2872, 2947..2987, 3075..3406, 3489..3664, 3862..4746		

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o2.np	Method	AAT/NAP
Start	1808	End	4746
GI	6691716	Score	2298
Exons	1808..2253, 2326..2438, 2589..2692, 2768..2962, 3139..3406, 3489..3664, 3862..4746		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	44195	Seq. ID	OJ000350_27.0323.C13
Gene No.	93088	Strand	-
Start	1805	End	4746
Name	OJ000350_27.0323.C13.o3.tw	Method	TBLASTX:Wheat
Start	4336	End	4626
GI	none	Score	211
Exons	4336..4626		

Seq. No.	44196	Seq. ID	OJ000350_27.0323.C16
Gene No.	93089	Strand	-
Start	1046	End	1500
Name	OJ000350_27.0323.C16.o1.gs	Method	GENSCAN
Start	1046	End	1393
GI	none	Score	.7
Exons	1046..1143, 1342..1393		

Seq. No.	44196	Seq. ID	OJ000350_27.0323.C16
Gene No.	93089	Strand	-
Start	1046	End	1500
Name	OJ000350_27.0323.C16.o1.np	Method	AAT/NAP
Start	1063	End	1500
GI	6907090	Score	94
Exons	1063..1500		

GI Descrip. (AP001129) Similar to Oryza sativa root-specific RCc3 mRNA. (L27208)

Seq. No.	44197	Seq. ID	OJ000350_27.0323.C17
Gene No.	93090	Strand	+
Start	1	End	1525
Name	OJ000350_27.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	1525
GI	7228450	Score	188
Exons	1..70, 922..1049, 1188..1307, 1410..1525		

GI Descrip. (AP001366) hypothetical protein [Oryza sativa]

Seq. No.	44197	Seq. ID	OJ000350_27.0323.C17
Gene No.	93090	Strand	+
Start	1	End	1525
Name	OJ000350_27.0323.C17.o1.gs	Method	GENSCAN
Start	392	End	684
GI	none	Score	.56
Exons	392..684		

Seq. No.	44197	Seq. ID	OJ000350_27.0323.C17
Gene No.	93091	Strand	-
Start	1412	End	1553
Name	OJ000350_27.0323.C17.o2.gs	Method	GENSCAN
Start	1412	End	1553
GI	none	Score	.83
Exons	1412..1553		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93092	Strand	+

Start	2401	End	5348
Name	OJ000350_27.0323.C18.o1.np	Method	AAT/NAP
Start	2401	End	4420
GI	4325357	Score	395
Exons	2401..2934, 3731..4420		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93092	Strand	+
Start	2401	End	5348
Name	OJ000350_27.0323.C18.o2.gs	Method	GENSCAN
Start	2973	End	5348
GI	none	Score	.56
Exons	2973..3534, 3574..3649, 3787..4396, 4444..4592, 5222..5348		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93093	Strand	-
Start	2283	End	2936
Name	OJ000350_27.0323.C18.o1.gp	Method	AAT/GAP
Start	752	End	1071
GI	LIB3432-058-P1-K1-E12	Score	321
Exons	752..1071		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93093	Strand	-
Start	2283	End	2936
Name	OJ000350_27.0323.C18.o1.gs	Method	GENSCAN
Start	2283	End	2780
GI	none	Score	.86
Exons	2283..2780		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93093	Strand	-
Start	2283	End	2936
Name	OJ000350_27.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	2481	End	2891
GI	none	Score	74
Exons	2481..2585, 2613..2891		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93093	Strand	-
Start	2283	End	2936
Name	OJ000350_27.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	2481	End	2828
GI	none	Score	96
Exons	2481..2597, 2613..2828		

Seq. No.	44198	Seq. ID	OJ000350_27.0323.C18
Gene No.	93093	Strand	-
Start	2283	End	2936
Name	OJ000350_27.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	2634	End	2936
GI	none	Score	184

Exons	2634..2936		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93094	Strand	+
Start	762	End	1549
Name	OJ000350_27.0323.C19.o1.np	Method	AAT/NAP
Start	762	End	1549
GI	6983861	Score	1309
Exons	762..1549		
GI Descrip.	(AP001168) Similar to gypsy-type retrotransposon RIRE8B DNA, internal region (AB014741) [Oryza sativa]		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93095	Strand	+
Start	1771	End	9140
Name	OJ000350_27.0323.C19.o2.np	Method	AAT/NAP
Start	1771	End	6234
GI	4680179	Score	5673
Exons	1771..6234		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93095	Strand	+
Start	1771	End	9140
Name	OJ000350_27.0323.C19.o3.np	Method	AAT/NAP
Start	5165	End	9140
GI	6063554	Score	360
Exons	5165..5397, 7361..7650, 7768..7989, 8307..8334, 8966..9140		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93095	Strand	+
Start	1771	End	9140
Name	OJ000350_27.0323.C19.o1.gp	Method	AAT/GAP
Start	7801	End	8535
GI	101153_1.R1084	Score	614
Exons	7801..7989, 8307..8535		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93095	Strand	+
Start	1771	End	9140
Name	OJ000350_27.0323.C19.o2.gp	Method	AAT/GAP
Start	8553	End	8980
GI	2428185	Score	833
Exons	8553..8980		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93096	Strand	-
Start	9509	End	9797
Name	OJ000350_27.0323.C19.o4.gp	Method	AAT/GAP
Start	9509	End	9797

GI	61605_3.R1084	Score	452
Exons	9509..9797		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o9.tw	Method	TBLASTX:Wheat
Start	1978	End	2176
GI	none	Score	215
Exons	1978..2175, 1979..2176		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o7.tw	Method	TBLASTX:Wheat
Start	2227	End	2578
GI	none	Score	312
Exons	2227..2400, 2228..2578, 2376..2444		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o6.tm	Method	TBLASTX:Maize
Start	2228	End	2533
GI	none	Score	246
Exons	2228..2533		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o8.tw	Method	TBLASTX:Wheat
Start	2912	End	3265
GI	none	Score	256
Exons	2912..3265		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o7.tm	Method	TBLASTX:Maize
Start	3269	End	3462
GI	none	Score	187
Exons	3269..3460, 3307..3462		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o4.tw	Method	TBLASTX:Wheat
Start	3397	End	3880
GI	none	Score	535
Exons	3397..3837, 3398..3880, 3401..3877		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o4.ts	Method	TBLASTX:Soybean

Start	3434	End	3748
GI	none	Score	198
Exons	3434..3748		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o4.tm	Method	TBLASTX:Maize
Start	3463	End	3910
GI	none	Score	371
Exons	3463..3900, 3467..3910		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	3821	End	4216
GI	none	Score	57
Exons	3821..3853, 3821..3853, 3857..3901, 3859..3900, 3965..4216, 3973..4206		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o5.tw	Method	TBLASTX:Wheat
Start	3948	End	4231
GI	none	Score	114
Exons	3948..4223, 3967..4230, 3968..4231		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o5.tm	Method	TBLASTX:Maize
Start	3965	End	4297
GI	none	Score	310
Exons	3965..4297, 4018..4296		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o3.tw	Method	TBLASTX:Wheat
Start	4232	End	4657
GI	none	Score	599
Exons	4232..4657, 4234..4650		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o3.ts	Method	TBLASTX:Soybean
Start	4238	End	4486
GI	none	Score	206
Exons	4238..4486		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o2.tm	Method	TBLASTX:Maize

Start	4304	End	4657
GI	none	Score	463
Exons	4304..4657, 4309..4650		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o2.tw	Method	TBLASTX:Wheat
Start	4685	End	5224
GI	none	Score	621
Exons	4685..5224, 4867..5220		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o1.tc	Method	TBLASTX:Cress
Start	4922	End	5248
GI	none	Score	90
Exons	4922..5104, 5105..5248, 5107..5247		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o2.ts	Method	TBLASTX:Soybean
Start	5012	End	5272
GI	none	Score	301
Exons	5012..5272, 5023..5271, 5024..5272		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o3.tm	Method	TBLASTX:Maize
Start	5070	End	5362
GI	none	Score	91
Exons	5070..5258, 5071..5358, 5072..5362, 5204..5359		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o1.tw	Method	TBLASTX:Wheat
Start	5231	End	5856
GI	none	Score	371
Exons	5231..5551, 5234..5491, 5290..5544, 5544..5735, 5545..5856, 5796..5855		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	5410	End	5994
GI	none	Score	229
Exons	5410..5652, 5411..5638, 5425..5994, 5475..5732, 5796..5993		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o6.tw	Method	TBLASTX:Wheat

Start	5856	End	6189
GI	none	Score	315
Exons	5856..6137, 5857..6189		

Seq. No.	44199	Seq. ID	OJ000350_27.0323.C19
Gene No.	93097	Strand	-
Start	9974	End	10383
Name	OJ000350_27.0323.C19.o4.np	Method	AAT/NAP
Start	9974	End	10383
GI	5852180	Score	101
Exons	9974..10383		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93098	Strand	+
Start	7	End	5507
Name	OJ000350_27.0323.C20.o1.gs	Method	GENSCAN
Start	7	End	5507
GI	none	Score	.66
Exons	7..39, 45..124, 1278..1420, 1881..2769, 2899..3064, 3111..3230, 3326..3672, 3739..4183, 4498..4671, 5141..5239, 5319..5507		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93098	Strand	+
Start	7	End	5507
Name	OJ000350_27.0323.C20.o3.np	Method	AAT/NAP
Start	607	End	5486
GI	4680204	Score	895
Exons	607..636, 1913..3230, 3326..4386, 4498..4671, 4768..4916, 5281..5486		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93098	Strand	+
Start	7	End	5507
Name	OJ000350_27.0323.C20.o2.np	Method	AAT/NAP
Start	806	End	5486
GI	4680204	Score	893
Exons	806..833, 1930..3230, 3326..4386, 4498..4671, 4768..4916, 5281..5486		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93098	Strand	+
Start	7	End	5507
Name	OJ000350_27.0323.C20.o1.np	Method	AAT/NAP
Start	1055	End	1227
GI	6063554	Score	102
Exons	1055..1227		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93098	Strand	+
Start	7	End	5507
Name	OJ000350_27.0323.C20.o1.gp	Method	AAT/GAP

Start	3808	End	4286
GI	uC-osflcyp176f10b1	Score	866
Exons	3808..4286		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93099	Strand	-
Start	5973	End	6111
Name	OJ000350_27.0323.C20.o3.gp	Method	AAT/GAP
Start	5973	End	6111
GI	21474_1.R1084	Score	201
Exons	5973..6111		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93100	Strand	-
Start	6456	End	6555
Name	OJ000350_27.0323.C20.o1.tw	Method	TBLASTX:Wheat
Start	2436	End	2833
GI	none	Score	212
Exons	2436..2552, 2438..2674, 2539..2706, 2669..2833		

Seq. No.	44200	Seq. ID	OJ000350_27.0323.C20
Gene No.	93100	Strand	-
Start	6456	End	6555
Name	OJ000350_27.0323.C20.o4.gp	Method	AAT/GAP
Start	6456	End	6555
GI	69953_1.R1084	Score	117
Exons	6456..6555		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	44201	Seq. ID	OJ000350_27.0323.C21
Gene No.	93101	Strand	+
Start	89	End	2029
Name	OJ000350_27.0323.C21.o1.gs	Method	GENSCAN
Start	89	End	2029
GI	none	Score	.51
Exons	89..249, 288..508, 1876..2029		

Seq. No.	44202	Seq. ID	OJ000350_27.0323.C23
Gene No.	93102	Strand	+
Start	5538	End	6320
Name	OJ000350_27.0323.C23.o1.np	Method	AAT/NAP
Start	5538	End	6320
GI	7444451	Score	285
Exons	5538..6057, 6304..6320		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	44202	Seq. ID	OJ000350_27.0323.C23
Gene No.	93102	Strand	+
Start	5538	End	6320

Name	OJ000350_27.0323.C23.o1.tw	Method	TBLASTX:Wheat
Start	5577	End	5933
GI	none	Score	240
Exons	5577..5933		

Seq. No.	44202	Seq. ID	OJ000350_27.0323.C23
Gene No.	93102	Strand	+
Start	5538	End	6320
Name	OJ000350_27.0323.C23.o1.tm	Method	TBLASTX:Maize
Start	5633	End	5942
GI	none	Score	123
Exons	5633..5749, 5634..5744, 5744..5902, 5748..5942		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93103	Strand	+
Start	561	End	4314
Name	OJ000350_27.0323.C24.o1.gs	Method	GENSCAN
Start	561	End	4314
GI	none	Score	.51
Exons	561..652, 979..1233, 1259..1402, 1843..2970, 3052..3471, 3547..3606, 3675..3779, 3856..4314		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o2.gs	Method	GENSCAN
Start	4795	End	6387
GI	none	Score	.78
Exons	4795..5493, 5584..6387		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o1.ts	Method	TBLASTX:Soybean
Start	4805	End	5055
GI	none	Score	154
Exons	4805..5053, 4810..5055, 4927..5055		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o1.np	Method	AAT/NAP
Start	4816	End	6021
GI	4544372	Score	569
Exons	4816..6021		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o1.tw	Method	TBLASTX:Wheat
Start	4831	End	5238
GI	none	Score	119
Exons	4831..5238, 4865..5230		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24

Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o2.tw	Method	TBLASTX:Wheat
Start	5263	End	5641
GI	none	Score	55
Exons	5263..5640, 5570..5641		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o2.ts	Method	TBLASTX:Soybean
Start	5398	End	5796
GI	none	Score	36
Exons	5398..5796, 5515..5538, 5576..5692		

Seq. No.	44203	Seq. ID	OJ000350_27.0323.C24
Gene No.	93104	Strand	-
Start	4795	End	6387
Name	OJ000350_27.0323.C24.o1.tm	Method	TBLASTX:Maize
Start	5629	End	5961
GI	none	Score	205
Exons	5629..5961		

Seq. No.	44204	Seq. ID	OJ000350_27.0323.C25
Gene No.	93105	Strand	+
Start	1	End	158
Name	OJ000350_27.0323.C25.o1.np	Method	AAT/NAP
Start	1	End	158
GI	4680186	Score	164
Exons	1..158		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44204	Seq. ID	OJ000350_27.0323.C25
Gene No.	93106	Strand	+
Start	551	End	657
Name	OJ000350_27.0323.C25.o1.gs	Method	GENSCAN
Start	551	End	657
GI	none	Score	.94
Exons	551..657		

Seq. No.	44204	Seq. ID	OJ000350_27.0323.C25
Gene No.	93107	Strand	-
Start	550	End	1174
Name	OJ000350_27.0323.C25.o2.np	Method	AAT/NAP
Start	550	End	1174
GI	6907087	Score	123
Exons	550..651, 727..813, 1114..1174		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93108	Strand	+
Start	55	End	1164
Name	OJ000350_27.0323.C26.o1.gs	Method	GENSCAN
Start	55	End	1164
GI	none	Score	.4

Exons	55..94, 1052..1164		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o2.ts	Method	TBLASTX:Soybean
Start	581	End	883
GI	none	Score	66
Exons	581..724, 642..725, 732..881, 746..883		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o1.np	Method	AAT/NAP
Start	686	End	2978
GI	7248394	Score	1837
Exons	686..1788, 2056..2978		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o1.ts	Method	TBLASTX:Soybean
Start	1034	End	1504
GI	none	Score	79
Exons	1034..1222, 1065..1190, 1223..1504, 1392..1466		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o2.tw	Method	TBLASTX:Wheat
Start	1121	End	1519
GI	none	Score	64
Exons	1121..1222, 1199..1519, 1392..1502		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1651
GI	none	Score	74
Exons	1193..1651, 1194..1316, 1262..1651		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o1.tw	Method	TBLASTX:Wheat
Start	1520	End	1924
GI	none	Score	208
Exons	1520..1864, 1520..1873, 1563..1865, 1868..1924, 1881..1919		
Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-

Start	686	End	7219
Name	OJ000350_27.0323.C26.o2.gs	Method	GENSCAN
Start	1598	End	7023
GI	none	Score	.64
Exons	1598..2336, 2452..2947, 3401..4069, 4373..4663, 4911..5027, 5169..5276, 5330..5803, 6058..6091, 6962..7023		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o2.tm	Method	TBLASTX:Maize
Start	1652	End	1870
GI	none	Score	214
Exons	1652..1870, 1656..1865, 1670..1870		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o3.ts	Method	TBLASTX:Soybean
Start	1721	End	2086
GI	none	Score	124
Exons	1721..1855, 1862..2086		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o4.ts	Method	TBLASTX:Soybean
Start	2436	End	2834
GI	none	Score	193
Exons	2436..2834		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o3.np	Method	AAT/NAP
Start	5030	End	7219
GI	7340868	Score	40
Exons	5030..5214, 5963..6140, 7193..7219		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44205	Seq. ID	OJ000350_27.0323.C26
Gene No.	93109	Strand	-
Start	686	End	7219
Name	OJ000350_27.0323.C26.o2.np	Method	AAT/NAP
Start	5202	End	5941
GI	7248393	Score	387
Exons	5202..5569, 5645..5941		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44206	Seq. ID	OJ000350_27.0323.C29
Gene No.	93110	Strand	+
Start	109	End	805
Name	OJ000350_27.0323.C29.o1.gs	Method	GENSCAN
Start	109	End	805
GI	none	Score	.84
Exons	109..263, 293..358, 802..805		

Seq. No.	44206	Seq. ID	OJ000350_27.0323.C29
Gene No.	93111	Strand	-
Start	1	End	429
Name	OJ000350_27.0323.C29.o1.np	Method	AAT/NAP
Start	1	End	429
GI	7340909	Score	163
Exons	1..429		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44206	Seq. ID	OJ000350_27.0323.C29
Gene No.	93112	Strand	-
Start	1304	End	1444
Name	OJ000350_27.0323.C29.o2.gs	Method	GENSCAN
Start	1304	End	1444
GI	none	Score	.96
Exons	1304..1444		

Seq. No.	44207	Seq. ID	OJ000350_27.0323.C30
Gene No.	93113	Strand	+
Start	179	End	715
Name	OJ000350_27.0323.C30.o1.np	Method	AAT/NAP
Start	179	End	715
GI	6742729	Score	821
Exons	179..715		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	44207	Seq. ID	OJ000350_27.0323.C30
Gene No.	93114	Strand	-
Start	185	End	968
Name	OJ000350_27.0323.C30.o1.gp	Method	AAT/GAP
Start	185	End	968
GI	342_1.R1084	Score	1364
Exons	185..968		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	44207	Seq. ID	OJ000350_27.0323.C30
Gene No.	93114	Strand	-
Start	185	End	968
Name	OJ000350_27.0323.C30.o1.tw	Method	TBLASTX:Wheat
Start	185	End	968
GI	none	Score	481
Exons	185..511, 189..800, 468..785, 795..839, 798..839, 842..937, 846..905, 884..967, 885..968		

Seq. No.	44207	Seq. ID	OJ000350_27.0323.C30
Gene No.	93114	Strand	-
Start	185	End	968
Name	OJ000350_27.0323.C30.o1.tc	Method	TBLASTX:Cress
Start	189	End	614
GI	none	Score	316
Exons	189..614, 191..511		

Seq. No.	44208	Seq. ID	OJ000350_26.0323.C8
Gene No.	93115	Strand	+
Start	177	End	807
Name	OJ000350_26.0323.C8.o1.gs	Method	GENSCAN

Start	177	End	807
GI	none	Score	.78
Exons	177..254, 292..428, 567..807		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93116	Strand	+
Start	665	End	2139
Name	OJ000350_26.0323.C9.o1.np	Method	AAT/NAP
Start	665	End	2139
GI	3668097	Score	75
Exons	665..851, 2068..2139		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93116	Strand	+
Start	665	End	2139
Name	OJ000350_26.0323.C9.o1.gs	Method	GENSCAN
Start	754	End	1702
GI	none	Score	.93
Exons	754..842, 1679..1702		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	+
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o1.gp	Method	AAT/GAP
Start	2924	End	4298
GI	1353_1.R1084	Score	885
Exons	2924..3140, 3687..3788, 4039..4152, 4238..4298		
GI Descrip.	'4512616/gb|AAD21685.1| 3.0e-50 (AC004793) Contains similarity to gi_1653332 extragenic suppressor (SuhB) from Synechocystis sp. gb_D90912 and is a member of the Inositol monophophatase family PF_00459. EST gb_AA597395 comes from this gene. [Arabidopsis tha'		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	-
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o2.gs	Method	GENSCAN
Start	3042	End	5913
GI	none	Score	.87
Exons	3042..3140, 3687..3788, 4039..4152, 4238..4336, 4903..4957, 5444..5611, 5846..5913		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	-
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o2.np	Method	AAT/NAP
Start	3045	End	6133
GI	4512616	Score	847
Exons	3045..3140, 3687..3788, 4009..4152, 4238..4336, 4562..4614, 4712..4769, 4903..4991, 5478..5618, 6107..6133		
GI Descrip.	(AC004793) Contains similarity to gi|1653332 extragenic suppressor (SuhB) from Synechocystis sp. gb|D90912 and is a member of the Inositol monophophatase family PF|00459. EST gb|AA597395 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	-
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	3081	End	4757
GI	none	Score	65
Exons	3081..3131, 3082..3141, 3687..3788, 3693..3788, 3703..3789, 4033..4122, 4033..4155, 4040..4153, 4223..4339, 4238..4318, 4239..4346, 4559..4615, 4710..4757		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	-
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	4055	End	4948
GI	none	Score	133
Exons	4055..4153, 4055..4096, 4057..4155, 4238..4318, 4239..4337, 4535..4612, 4559..4615, 4584..4628, 4710..4769, 4711..4770, 4891..4947, 4901..4948		

Seq. No.	44209	Seq. ID	OJ000350_26.0323.C9
Gene No.	93117	Strand	-
Start	3042	End	6133
Name	OJ000350_26.0323.C9.o2.gp	Method	AAT/GAP
Start	5839	End	5913
GI	10685_1.R1084	Score	93
Exons	5839..5913		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93118	Strand	+
Start	1025	End	3734
Name	OJ000350_26.0323.C10.o1.gs	Method	GENSCAN
Start	1025	End	3708
GI	none	Score	.95
Exons	1025..1239, 1441..1625, 1739..1988, 2078..2223, 2346..2551, 2695..2819, 3128..3708		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93118	Strand	+
Start	1025	End	3734
Name	OJ000350_26.0323.C10.o1.np	Method	AAT/NAP
Start	1051	End	3734
GI	3668091	Score	1562
Exons	1051..1239, 1393..1625, 1739..1988, 2069..2223, 2346..2551, 2695..2819, 3128..3734		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93118	Strand	+
Start	1025	End	3734
Name	OJ000350_26.0323.C10.o1.gp	Method	AAT/GAP
Start	2172	End	2798
GI	uC-osflm202106h11b1	Score	884
Exons	2172..2551, 2695..2798		
GI Descrip.	'3668091 4.0e-39 (AC004667) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93119	Strand	+
Start	5388	End	15521
Name	OJ000350_26.0323.C10.o2.gs	Method	GENSCAN
Start	5388	End	11792
GI	none	Score	.4
Exons	5388..5450, 5807..5911, 5941..7162, 7168..7322, 7518..7628, 8143..8188, 8929..9322, 9469..9577, 10626..11792		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93119	Strand	+
Start	5388	End	15521
Name	OJ000350_26.0323.C10.o2.np	Method	AAT/NAP
Start	5986	End	15518
GI	7228457	Score	9705
Exons	5986..6352, 6414..7245, 10626..11729, 11793..12628, 12751..13901, 13968..15518		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93119	Strand	+
Start	5388	End	15521
Name	OJ000350_26.0323.C10.o3.gs	Method	GENSCAN
Start	11856	End	12605
GI	none	Score	.99
Exons	11856..12605		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93119	Strand	+
Start	5388	End	15521
Name	OJ000350_26.0323.C10.o4.gs	Method	GENSCAN
Start	13242	End	15521
GI	none	Score	.98
Exons	13242..15521		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93120	Strand	+
Start	25925	End	27981
Name	OJ000350_26.0323.C10.o9.gp	Method	AAT/GAP
Start	25828	End	27981
GI	16684_1.R1084	Score	1590
Exons	25828..26012, 27067..27155, 27340..27510, 27590..27981		
GI Descrip.	'3668097 1.0e-56 (AC004667) putative glycine cleavage system protein H precursor [Arabidopsis thaliana]'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93120	Strand	+
Start	25925	End	27981
Name	OJ000350_26.0323.C10.o6.gs	Method	GENSCAN
Start	25925	End	27718
GI	none	Score	.92
Exons	25925..26012, 27067..27155, 27340..27510, 27590..27718		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93120	Strand	+
Start	25925	End	27981
Name	OJ000350_26.0323.C10.o6.np	Method	AAT/NAP
Start	25934	End	27715
GI	3668097	Score	510
Exons	25934..26012, 27064..27155, 27340..27510, 27590..27715		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93121	Strand	+
Start	36736	End	40712
Name	OJ000350_26.0323.C10.o8.gs	Method	GENSCAN
Start	36736	End	40712
GI	none	Score	.83
Exons	36736..36744, 38790..38925, 40308..40433, 40518..40605, 40682..40712		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93122	Strand	+
Start	41423	End	42180
Name	OJ000350_26.0323.C10.o9.gs	Method	GENSCAN
Start	41423	End	42180
GI	none	Score	.76
Exons	41423..41489, 41697..41813, 42128..42180		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93123	Strand	+
Start	66124	End	71217
Name	OJ000350_26.0323.C10.o14.gs	Method	GENSCAN
Start	66124	End	71217
GI	none	Score	.84
Exons	66124..66283, 67081..67119, 67523..67623, 68182..68294, 68870..68969, 69064..69210, 69679..69821, 70114..70197, 70282..70371, 70804..70984, 71136..71217		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93123	Strand	+
Start	66124	End	71217
Name	OJ000350_26.0323.C10.o11.np	Method	AAT/NAP
Start	66548	End	70518
GI	4966351	Score	1217
Exons	66548..66668, 66784..66831, 66928..66992, 67523..67623, 68182..68294, 68870..68969, 69064..69210, 69337..69397, 69509..69606, 69679..69825, 70118..70197, 70282..70371, 70467..70518		
GI Descrip.	(AC006341) Similar to gb|AJ001706 NAD-dependent glyceraldehyde-3-phosphate dehydrogenase (GapCp1) from Pinus sylvestris and is a member of the PF|00044 glyceraldehyde 3-phosphate dehydrogenase family. ESTs gb|H37679, gb|R83939 and gb|R30214 come from >		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93123	Strand	+
Start	66124	End	71217
Name	OJ000350_26.0323.C10.o15.gp	Method	AAT/GAP

Start	66773	End	67552
GI	LIB3431-008-P1-K1-F6	Score	279
Exons	66773..66831, 66934..66992, 67081..67119, 67523..67552		
GI Descrip.	'2129471/pir||S51836 7.0e-10 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12) precursor - Scotch pine >gi_1100223 (L32560) glyceraldehyde-3-phosphate dehydrogenase [Pinus sylvestris]'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93123	Strand	+
Start	66124	End	71217
Name	OJ000350_26.0323.C10.o16.gp	Method	AAT/GAP
Start	69580	End	70773
GI	5262_1.R1084	Score	1169
Exons	69580..69606, 69679..69821, 70114..70197, 70282..70371, 70467..70773		
GI Descrip.	'3184283 1.0e-30 (AC004136) putative TBP-binding protein [Arabidopsis thaliana]'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93124	Strand	-
Start	3721	End	3867
Name	OJ000350_26.0323.C10.o2.gp	Method	AAT/GAP
Start	3721	End	3867
GI	none	Score	214
Exons	3721..3867		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93125	Strand	-
Start	7403	End	7513
Name	OJ000350_26.0323.C10.o4.gp	Method	AAT/GAP
Start	7403	End	7513
GI	uC-osflcyp088b12b1	Score	158
Exons	7403..7513		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93126	Strand	-
Start	16461	End	24475
Name	OJ000350_26.0323.C10.o3.np	Method	AAT/NAP
Start	16142	End	22715
GI	6907089	Score	4683
Exons	16142..16181, 19617..21359, 21454..22715		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93126	Strand	-
Start	16461	End	24475
Name	OJ000350_26.0323.C10.o6.gp	Method	AAT/GAP
Start	16336	End	16446
GI	uC-osflcyp088b12b1	Score	160
Exons	16336..16446		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10

Gene No.	93126	Strand	-
Start	16461	End	24475
Name	OJ000350_26.0323.C10.o5.gs	Method	GENSCAN
Start	16461	End	22715
GI	none	Score	.78
Exons	16461..16468, 17924..18012, 18141..18405, 18498..18569, 18999..19188, 19622..21359, 21454..22182, 22252..22358, 22389..22715		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93126	Strand	-
Start	16461	End	24475
Name	OJ000350_26.0323.C10.o4.np	Method	AAT/NAP
Start	22255	End	24475
GI	7523512	Score	61
Exons	22255..22301, 23250..23325, 24402..24475		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93126	Strand	-
Start	16461	End	24475
Name	OJ000350_26.0323.C10.o5.np	Method	AAT/NAP
Start	23378	End	24254
GI	5922623	Score	211
Exons	23378..23453, 23621..23775, 24170..24254		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93127	Strand	-
Start	28599	End	34600
Name	OJ000350_26.0323.C10.o10.gp	Method	AAT/GAP
Start	28590	End	30222
GI	13204_1.R1084	Score	1034
Exons	28590..28826, 29578..29642, 29852..29998, 30102..30222		
GI Descrip.	'3152582 1.0e-23 (AC002986) YUP8H12R.20 [Arabidopsis thaliana]'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93127	Strand	-
Start	28599	End	34600
Name	OJ000350_26.0323.C10.o7.gs	Method	GENSCAN
Start	28599	End	34600
GI	none	Score	.82
Exons	28599..28826, 29578..29642, 29852..30063, 31694..31968, 32246..32287, 32788..32949, 33087..33156, 34413..34600		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93127	Strand	-
Start	28599	End	34600
Name	OJ000350_26.0323.C10.o7.np	Method	AAT/NAP
Start	28599	End	29967
GI	7487898	Score	274
Exons	28599..28855, 29562..29645, 29852..29967		
GI Descrip.	hypothetical protein YUP8H12R.20 - Arabidopsis thaliana gi|3152582|gb|AAC17063.1| (AC002986) YUP8H12R.20 [Arabidopsis thaliana]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93127	Strand	-
Start	28599	End	34600
Name	OJ000350_26.0323.C10.o8.np	Method	AAT/NAP
Start	31717	End	34600
GI	5019464	Score	411
Exons	31717..31929, 32090..32137, 32246..32287, 32788..32946, 33087..33156, 34413..34600		
GI Descrip.	(AJ132219) putative MADS domain transcription factor GGM13 [Gnetum gnemon]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93128	Strand	-
Start	38873	End	51551
Name	OJ000350_26.0323.C10.o9.np	Method	AAT/NAP
Start	38873	End	51282
GI	6523090	Score	527
Exons	38873..38959, 44414..44940, 51187..51282		
GI Descrip.	(AL133315) transcription factor Hap5a [Arabidopsis thaliana]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93128	Strand	-
Start	38873	End	51551
Name	OJ000350_26.0323.C10.o11.gp	Method	AAT/GAP
Start	44108	End	44703
GI	none	Score	1092
Exons	44108..44703		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93128	Strand	-
Start	38873	End	51551
Name	OJ000350_26.0323.C10.o12.gp	Method	AAT/GAP
Start	44823	End	47998
GI	none	Score	1018
Exons	44823..45187, 47841..47998		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93128	Strand	-
Start	38873	End	51551
Name	OJ000350_26.0323.C10.o11.gs	Method	GENSCAN
Start	51135	End	51551
GI	none	Score	.4
Exons	51135..51551		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	1047	End	3684
GI	none	Score	81
Exons	1047..1166, 1206..1241, 1391..1492, 1392..1496, 1392..1496, 1497..1628, 1499..1627, 1737..1985, 1738..1989, 1739..1990, 1739..2014, 1754..1927, 2079..2222, 2080..2223, 2400..2543, 3124..3369, 3382..3684		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10

Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o4.ts	Method	TBLASTX:Soybean
Start	1748	End	2528
GI	none	Score	258
Exons	1748..1999, 1748..2017, 2400..2528		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o11.tm	Method	TBLASTX:Maize
Start	2690	End	2814
GI	none	Score	203
Exons	2690..2812, 2690..2809, 2692..2811, 2695..2814, 2759..2809		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o9.ts	Method	TBLASTX:Soybean
Start	3124	End	3342
GI	none	Score	199
Exons	3124..3342, 3153..3284		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o6.tw	Method	TBLASTX:Wheat
Start	6480	End	7032
GI	none	Score	34
Exons	6480..6515, 6640..6687, 6694..6792, 6699..6791, 6759..6998, 6775..7032		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o12.tm	Method	TBLASTX:Maize
Start	6645	End	6930
GI	none	Score	197
Exons	6645..6929, 6682..6930		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o4.tw	Method	TBLASTX:Wheat
Start	7040	End	13880
GI	none	Score	237
Exons	7040..7093, 13422..13676, 13446..13697, 13511..13696, 13731..13880, 13742..13879		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	8051	End	11609
GI	none	Score	74
Exons	8051..8176, 11150..11323, 11151..11609, 11345..11605		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o1.tw	Method	TBLASTX:Wheat
Start	11801	End	12263
GI	none	Score	579
Exons	11801..12256, 11802..12263, 11802..12257		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o10.ts	Method	TBLASTX:Soybean
Start	11841	End	12206
GI	none	Score	118
Exons	11841..12065, 12072..12206		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o5.tm	Method	TBLASTX:Maize
Start	11931	End	12287
GI	none	Score	392
Exons	11931..12287, 11966..12277, 11982..12287		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o5.tw	Method	TBLASTX:Wheat
Start	12264	End	12575
GI	none	Score	342
Exons	12264..12575, 12272..12562		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o8.tm	Method	TBLASTX:Maize
Start	12314	End	12699
GI	none	Score	286
Exons	12314..12592, 12315..12593, 12505..12699		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o5.ts	Method	TBLASTX:Soybean
Start	12450	End	12822
GI	none	Score	155
Exons	12450..12596, 12467..12592, 12592..12822		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o10.tw	Method	TBLASTX:Wheat
Start	12586	End	12875
GI	none	Score	247
Exons	12586..12873, 12591..12680, 12717..12875		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10

Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o8.ts	Method	TBLASTX:Soybean
Start	13569	End	14135
GI	5666795	Score	68
Exons	13569..13667, 13743..13880, 13935..14135		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o7.tm	Method	TBLASTX:Maize
Start	14388	End	14711
GI	none	Score	361
Exons	14388..14711, 14417..14698		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	14525	End	14906
GI	none	Score	372
Exons	14525..14581, 14526..14906, 14529..14867, 14627..14875		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o9.tw	Method	TBLASTX:Wheat
Start	14907	End	15509
GI	none	Score	261
Exons	14907..15191, 14912..15190, 15383..15505, 15384..15509		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o6.tm	Method	TBLASTX:Maize
Start	25891	End	27724
GI	none	Score	55
Exons	25891..25941, 25939..26001, 25939..26001, 27057..27155, 27065..27157, 27067..27165, 27067..27162, 27335..27511, 27337..27513, 27337..27513, 27348..27521, 27582..27704, 27590..27706, 27590..27724		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o3.ts	Method	TBLASTX:Soybean
Start	27057	End	27751
GI	none	Score	150
Exons	27057..27155, 27057..27155, 27065..27157, 27335..27454, 27337..27513, 27337..27510, 27348..27521, 27583..27717, 27590..27751		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o3.tc	Method	TBLASTX:Cress

Start	27065	End	27718
GI	none	Score	137
Exons	27065..27145, 27066..27155, 27066..27155, 27316..27534, 27337..27513, 27360..27521, 27589..27717, 27590..27718, 27605..27718		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o13.tm	Method	TBLASTX:Maize
Start	28587	End	28734
GI	none	Score	140
Exons	28587..28733, 28591..28734, 28594..28728, 28599..28733		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o7.ts	Method	TBLASTX:Soybean
Start	28653	End	28836
GI	none	Score	109
Exons	28653..28823, 28653..28826, 28660..28836		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o6.tc	Method	TBLASTX:Cress
Start	28668	End	28836
GI	none	Score	72
Exons	28668..28802, 28668..28835, 28669..28836		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o4.tc	Method	TBLASTX:Cress
Start	32797	End	34601
GI	none	Score	103
Exons	32797..32937, 34403..34600, 34407..34601		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o8.tw	Method	TBLASTX:Wheat
Start	34419	End	34621
GI	none	Score	113
Exons	34419..34613, 34421..34621		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o9.tm	Method	TBLASTX:Maize
Start	34421	End	34601
GI	none	Score	111
Exons	34421..34600, 34422..34601		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378

Name	OJ000350_26.0323.C10.o6.ts	Method	TBLASTX:Soybean
Start	34422	End	34609
GI	none	Score	86
Exons	34422..34607, 34424..34609		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	44373	End	44881
GI	none	Score	108
Exons	44373..44552, 44394..44552, 44443..44553, 44443..44559, 44537..44881, 44557..44871, 44568..44873		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	44506	End	44899
GI	none	Score	79
Exons	44506..44529, 44560..44898, 44584..44724, 44609..44899		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o2.tc	Method	TBLASTX:Cress
Start	44548	End	44981
GI	none	Score	328
Exons	44548..44898, 44549..44899, 44645..44899, 44844..44981		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o12.gs	Method	GENSCAN
Start	53146	End	60375
GI	none	Score	.72
Exons	53146..53360, 54663..54745, 55856..55981, 56080..56210, 57313..57366, 57851..57984, 58216..58274, 59168..59284, 59375..59505, 60301..60375		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o10.np	Method	AAT/NAP
Start	54380	End	60375
GI	4966349	Score	879
Exons	54380..54436, 55851..55981, 56080..56193, 56630..56739, 57313..57366, 57851..58074, 58933..59062, 59168..59284, 59375..59505, 59614..59664, 60199..60375		
GI Descrip.	(AC006341) Contains a PF|01464 Transglycosylase SLT domain. [Arabidopsis thaliana]		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o14.gp	Method	AAT/GAP
Start	56080	End	56719

GI	LIB3434-052-P1-K1-D5	Score	338
Exons	56080..56193, 56630..56719		
GI Descrip.	'4966349/gb|AAD34680.1|AC006341_8 1.0e-20 (AC006341) Contains a PF_01464 Transglycosylase SLT domain. [Arabidopsis thaliana]'		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o10.tm	Method	TBLASTX:Maize
Start	57304	End	60330
GI	none	Score	67
Exons	57304..57369, 57314..57367, 57849..57983, 57851..57985, 57851..57985, 60262..60330		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o5.tc	Method	TBLASTX:Cress
Start	57914	End	60378
GI	none	Score	142
Exons	57914..58006, 60202..60375, 60202..60378		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93129	Strand	-
Start	53146	End	60378
Name	OJ000350_26.0323.C10.o4.tm	Method	TBLASTX:Maize
Start	58939	End	59479
GI	none	Score	148
Exons	58939..59064, 58940..59065, 59167..59292, 59170..59286, 59175..59312, 59374..59478, 59374..59478, 59375..59479		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610
Name	OJ000350_26.0323.C10.o11.tw	Method	TBLASTX:Wheat
Start	67512	End	69144
GI	none	Score	82
Exons	67512..67607, 67543..67623, 68176..68274, 68846..68959, 68847..68969, 68888..68971, 69063..69137, 69063..69137, 69064..69144		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610
Name	OJ000350_26.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	67543	End	70500
GI	none	Score	93
Exons	67543..67623, 68858..68968, 68859..68969, 69057..69134, 69058..69219, 69064..69213, 69334..69396, 69336..69395, 69505..69606, 69507..69605, 69510..69608, 69676..69828, 69678..69821, 69678..69833, 69679..69822, 70111..70233, 70121..70243, 70203..70370, 70276..70371, 70280..70369, 70462..70500		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610

Name	OJ000350_26.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	68188	End	70610
GI	none	Score	81
Exons	68188..68295, 68907..68969, 68921..68968, 69057..69212, 69062..69160, 69064..69219, 69334..69396, 69336..69401, 69336..69395, 69505..69606, 69507..69608, 69507..69602, 69511..69615, 69676..69822, 69678..69821, 69678..69833, 69679..69822, 70110..70202, 70111..70212, 70112..70240, 70119..70238, 70212..70370, 70279..70371, 70280..70369, 70462..70521, 70464..70523, 70466..70522, 70559..70594, 70560..70610		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610
Name	OJ000350_26.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	68879	End	70376
GI	none	Score	91
Exons	68879..68956, 68880..68957, 69033..69215, 69073..69213, 69103..69219, 69334..69396, 69334..69390, 69505..69606, 69507..69605, 69669..69761, 69678..69803, 69679..69810, 70032..70229, 70108..70170, 70111..70242, 70121..70234, 70218..70376, 70280..70369		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610
Name	OJ000350_26.0323.C10.o7.tw	Method	TBLASTX:Wheat
Start	69351	End	69833
GI	none	Score	70
Exons	69351..69395, 69352..69396, 69505..69606, 69507..69602, 69676..69825, 69678..69761, 69678..69833, 69679..69822		

Seq. No.	44210	Seq. ID	OJ000350_26.0323.C10
Gene No.	93130	Strand	
Start	67512	End	70610
Name	OJ000350_26.0323.C10.o12.tw	Method	TBLASTX:Wheat
Start	70111	End	70500
GI	none	Score	118
Exons	70111..70212, 70112..70234, 70276..70371, 70280..70369, 70462..70500, 70464..70499		

Seq. No.	44211	Seq. ID	OJ000350_26.0323.C11
Gene No.	93131	Strand	-
Start	928	End	3628
Name	OJ000350_26.0323.C11.o1.gs	Method	GENSCAN
Start	928	End	3628
GI	none	Score	.48
Exons	928..1033, 1253..1311, 3452..3628		

Seq. No.	44212	Seq. ID	OJ000350_26.0323.C12
Gene No.	93132	Strand	+
Start	338	End	530
Name	OJ000350_26.0323.C12.o1.gs	Method	GENSCAN
Start	338	End	530
GI	none	Score	.68
Exons	338..411, 413..530		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93133	Strand	+
Start	181	End	3861
Name	OJ000350_26.0323.C14.o1.gs	Method	GENSCAN
Start	181	End	3861
GI	none	Score	.87
Exons	181..357, 653..709, 2365..2706, 2989..3099, 3178..3861		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93133	Strand	+
Start	181	End	3861
Name	OJ000350_26.0323.C14.o1.gp	Method	AAT/GAP
Start	1167	End	1548
GI	uC-osflcyp033a04b1	Score	659
Exons	1167..1548		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93134	Strand	+
Start	12245	End	13635
Name	OJ000350_26.0323.C14.o3.gs	Method	GENSCAN
Start	12245	End	13635
GI	none	Score	.49
Exons	12245..12266, 12445..12681, 12925..13100, 13510..13635		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93134	Strand	+
Start	12245	End	13635
Name	OJ000350_26.0323.C14.o2.gp	Method	AAT/GAP
Start	13123	End	13431
GI	5816559	Score	459
Exons	13123..13431		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93135	Strand	+
Start	14500	End	17443
Name	OJ000350_26.0323.C14.o4.gs	Method	GENSCAN
Start	14500	End	17443
GI	none	Score	.89
Exons	14500..15384, 15582..15757, 15840..16171, 16291..16478, 16709..16742, 16815..16919, 16995..17443		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93135	Strand	+
Start	14500	End	17443
Name	OJ000350_26.0323.C14.o4.np	Method	AAT/NAP
Start	14500	End	17440
GI	6691716	Score	2309
Exons	14500..15384, 15582..15757, 15840..16107, 16284..16478, 16554..16656, 16807..16919, 16995..17440		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93136	Strand	+
Start	23983	End	24291
Name	OJ000350_26.0323.C14.o3.gp	Method	AAT/GAP
Start	23983	End	24291
GI	5816559	Score	463
Exons	23983..24291		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93137	Strand	+
Start	25262	End	25543
Name	OJ000350_26.0323.C14.o6.gs	Method	GENSCAN
Start	25262	End	25543
GI	none	Score	1
Exons	25262..25543		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93138	Strand	+
Start	28566	End	31808
Name	OJ000350_26.0323.C14.o6.np	Method	AAT/NAP
Start	28566	End	31805
GI	6907089	Score	4136
Exons	28566..29827, 29927..31805		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93138	Strand	+
Start	28566	End	31808
Name	OJ000350_26.0323.C14.o8.gs	Method	GENSCAN
Start	28566	End	31808
GI	none	Score	.92
Exons	28566..29827, 29927..31808		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93139	Strand	-
Start	1100	End	11145
Name	OJ000350_26.0323.C14.o1.np	Method	AAT/NAP
Start	1100	End	6149
GI	4680186	Score	388
Exons	1100..1300, 2139..2300, 6061..6149		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93139	Strand	-
Start	1100	End	11145
Name	OJ000350_26.0323.C14.o2.gs	Method	GENSCAN
Start	4245	End	11145
GI	none	Score	.74
Exons	4245..4976, 5475..5807, 5855..6018, 6256..7505, 7621..9250, 9597..9813, 10058..10242, 10366..10455, 10731..11145		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14

Gene No.	93139	Strand	-
Start	1100	End	11145
Name	OJ000350_26.0323.C14.o2.np	Method	AAT/NAP
Start	4461	End	8147
GI	7248394	Score	1856
Exons	4461..4493, 5885..6957, 7225..8147		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93139	Strand	-
Start	1100	End	11145
Name	OJ000350_26.0323.C14.o3.np	Method	AAT/NAP
Start	10393	End	11145
GI	7248393	Score	458
Exons	10393..10668, 10771..11145		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93140	Strand	-
Start	17760	End	23855
Name	OJ000350_26.0323.C14.o5.gs	Method	GENSCAN
Start	17760	End	23855
GI	none	Score	.61
Exons	17760..20921, 21057..23855		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93140	Strand	-
Start	17760	End	23855
Name	OJ000350_26.0323.C14.o5.np	Method	AAT/NAP
Start	17796	End	23855
GI	5922631	Score	6704
Exons	17796..20323, 20930..21853, 21980..22128, 22171..22742, 22788..22989, 23224..23472, 23731..23855		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93141	Strand	-
Start	25975	End	27393
Name	OJ000350_26.0323.C14.o7.gs	Method	GENSCAN
Start	25975	End	27393
GI	none	Score	.55
Exons	25975..26099, 26781..26855, 27216..27393		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o3.ts	Method	TBLASTX:Soybean

Start	4195	End	17948
GI	none	Score	47
Exons	4195..4236, 4203..4448, 4315..4446, 17826..17948		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o4.tm	Method	TBLASTX:Maize
Start	4260	End	32648
GI	none	Score	102
Exons	4260..4337, 17811..17912, 17812..17913, 17892..18044, 17893..17952, 32478..32561, 32479..32574, 32562..32648		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o6.tw	Method	TBLASTX:Wheat
Start	4263	End	33050
GI	none	Score	62
Exons	4263..4358, 4539..4691, 4755..4826, 17772..17909, 17776..17898, 17895..18053, 18108..18386, 18124..18225, 32442..32567, 32446..32568, 32753..33004, 32760..33050, 32761..33018		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o4.tw	Method	TBLASTX:Wheat
Start	4959	End	33560
GI	none	Score	116
Exons	4959..5015, 5046..5153, 5187..5348, 18501..18692, 18501..18887, 18577..18888, 33171..33560, 33247..33537		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o4.ts	Method	TBLASTX:Soybean
Start	4992	End	33488
GI	none	Score	85
Exons	4992..5273, 4993..5208, 18585..18818, 33255..33488		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	5022	End	33563
GI	none	Score	67
Exons	5022..5354, 18531..18578, 18532..18579, 18559..18873, 18570..18893, 18583..18873, 33240..33563, 33253..33534		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o5.tw	Method	TBLASTX:Wheat
Start	5610	End	34379
GI	none	Score	267
Exons	5610..5813, 5918..6007, 19206..19628, 19216..19620, 33918..34235, 33985..34209, 34267..34374, 34272..34379		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	5641	End	34382
GI	none	Score	69
Exons	5641..5796, 5643..5795, 5808..5894, 5810..5893, 5915..6052, 5919..6050, 19249..19629, 19251..19493, 19533..19637, 33972..34217, 34284..34382		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o8.tw	Method	TBLASTX:Wheat
Start	6071	End	35148
GI	none	Score	98
Exons	6071..6208, 19632..19913, 19644..19904, 19837..19914, 34383..34598, 35074..35148, 35075..35128		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	6203	End	35268
GI	none	Score	87
Exons	6203..6391, 6216..6347, 6392..6670, 6561..6635, 19863..20264, 19897..20067, 20103..20231, 20104..20247, 35128..35268		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o3.tw	Method	TBLASTX:Wheat
Start	6290	End	35304
GI	none	Score	300
Exons	6290..6391, 6353..6670, 19918..20298, 19923..20297, 35153..35245, 35158..35301, 35266..35304		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	6359	End	20438
GI	none	Score	79
Exons	6359..6820, 6360..6485, 6425..6820, 19995..20438, 20089..20295, 20380..20436		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	6692	End	20660
GI	none	Score	270
Exons	6692..7042, 6732..7019, 7031..7093, 20337..20450, 20398..20454, 20454..20660, 20455..20652		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14

Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	6836	End	20783
GI	none	Score	85
Exons	6836..7162, 6936..7151, 20439..20783, 20440..20742		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o5.ts	Method	TBLASTX:Soybean
Start	6890	End	20873
GI	none	Score	74
Exons	6890..7033, 7037..7255, 7068..7244, 20508..20642, 20649..20873		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	7178	End	21590
GI	none	Score	119
Exons	7178..7330, 20793..21086, 20797..21021, 21133..21369, 21135..21365, 21414..21527, 21414..21590		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o6.ts	Method	TBLASTX:Soybean
Start	7665	End	21500
GI	none	Score	74
Exons	7665..8003, 21135..21311, 21405..21500		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o9.tw	Method	TBLASTX:Wheat
Start	14620	End	14910
GI	none	Score	210
Exons	14620..14910		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o6.tm	Method	TBLASTX:Maize
Start	18156	End	33098
GI	none	Score	63
Exons	18156..18242, 18252..18335, 18253..18339, 18330..18428, 18331..18429, 32826..32906, 32922..33005, 33000..33098		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o10.tw	Method	TBLASTX:Wheat
Start	18891	End	33908
GI	none	Score	108
Exons	18891..19031, 19056..19190, 33738..33908		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o5.tm	Method	TBLASTX:Maize
Start	19302	End	19575
GI	none	Score	60
Exons	19302..19400, 19303..19368, 19404..19574, 19405..19575		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o7.tw	Method	TBLASTX:Wheat
Start	22164	End	22566
GI	none	Score	117
Exons	22164..22565, 22297..22566		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o9.gs	Method	GENSCAN
Start	32430	End	34917
GI	none	Score	.83
Exons	32430..34917		

Seq. No.	44213	Seq. ID	OJ000350_26.0323.C14
Gene No.	93142	Strand	-
Start	32430	End	35345
Name	OJ000350_26.0323.C14.o7.np	Method	AAT/NAP
Start	32433	End	35345
GI	7228457	Score	4372
Exons	32433..33983, 34050..35199, 35320..35345		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44214	Seq. ID	OJ000350_26.0323.C16
Gene No.	93143	Strand	-
Start	155	End	1888
Name	OJ000350_26.0323.C16.o1.gs	Method	GENSCAN
Start	155	End	1888
GI	none	Score	.7
Exons	155..343, 785..927, 1078..1133, 1767..1888		

Seq. No.	44215	Seq. ID	OJ000350_26.0323.C17
Gene No.	93144	Strand	+
Start	1	End	2503
Name	OJ000350_26.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	2503
GI	7363274	Score	105
Exons	1..303, 2439..2503		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	44215	Seq. ID	OJ000350_26.0323.C17
Gene No.	93144	Strand	+
Start	1	End	2503
Name	OJ000350_26.0323.C17.o1.gs	Method	GENSCAN

Start	71	End	311
GI	none	Score	.75
Exons	71..131, 280..311		

Seq. No.	44215	Seq. ID	OJ000350_26.0323.C17
Gene No.	93145	Strand	-
Start	1920	End	2304
Name	OJ000350_26.0323.C17.o2.gs	Method	GENSCAN
Start	1920	End	2304
GI	none	Score	.92
Exons	1920..2075, 2253..2304		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93146	Strand	-
Start	1	End	5167
Name	OJ000350_26.0323.C18.o1.np	Method	AAT/NAP
Start	1	End	5167
GI	7487809	Score	1912
Exons	1..91, 396..536, 620..703, 781..891, 969..1067, 1145..1246, 1309..1393, 1550..1632, 1727..1777, 1952..2075, 2157..2314, 2397..2511, 2729..2858, 2960..3130, 4246..4451, 4862..5030, 5132..5167		
GI Descrip.	hypothetical protein T8K22.14 - Arabidopsis thaliana gi|3184283|gb|AAC18930.1| (AC004136) unknown protein [Arabidopsis thaliana]		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93146	Strand	-
Start	1	End	5167
Name	OJ000350_26.0323.C18.o1.gs	Method	GENSCAN
Start	396	End	5158
GI	none	Score	.85
Exons	396..562, 1141..1258, 1309..1431, 1952..2075, 2729..2858, 2960..3125, 4244..4451, 4862..4977, 5132..5158		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93146	Strand	-
Start	1	End	5167
Name	OJ000350_26.0323.C18.o1.gp	Method	AAT/GAP
Start	1329	End	2075
GI	3106834	Score	528
Exons	1329..1393, 1550..1632, 1727..1777, 1952..2075		
GI Descrip.	3184283 1.0e-30 (AC004136) putative TBP-binding protein [Arabidopsis thaliana]		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	396	End	1330
GI	none	Score	100
Exons	396..443, 438..539, 439..543, 618..686, 635..691, 779..892, 781..894, 782..892, 939..1067, 968..1060, 973..1071, 1143..1247, 1145..1258, 1160..1249, 1298..1330		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-

Start	6229	End	15346
Name	OJ000350_26.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	396	End	706
GI	none	Score	168
Exons	396..539, 396..539, 397..543, 618..698, 635..706, 661..702		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o3.tm	Method	TBLASTX:Maize
Start	396	End	709
GI	none	Score	123
Exons	396..539, 396..539, 397..543, 618..698, 635..709		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	399	End	1071
GI	none	Score	119
Exons	399..539, 400..537, 402..539, 635..691, 638..676, 784..894, 791..892, 939..1067, 973..1071		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	781	End	1402
GI	none	Score	113
Exons	781..894, 782..892, 783..893, 788..943, 939..1067, 973..1074, 1119..1247, 1145..1249, 1145..1258, 1146..1262, 1294..1395, 1307..1402, 1307..1396		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o3.ts	Method	TBLASTX:Soybean
Start	2380	End	4941
GI	none	Score	127
Exons	2380..2514, 2394..2513, 2395..2514, 2396..2518, 2729..2860, 2731..2817, 2961..3125, 2977..3126, 4247..4447, 4248..4448, 4856..4939, 4864..4941		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o3.tc	Method	TBLASTX:Cress
Start	4253	End	5180
GI	none	Score	43
Exons	4253..4303, 4254..4304, 4304..4447, 4320..4451, 4802..4975, 4855..4974, 4965..5036, 4975..5034, 5132..5179, 5133..5180		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o2.gs	Method	GENSCAN
Start	6229	End	15346

GI	none	Score	.65
Exons	6229..6363, 6580..6759, 7024..7111, 8757..8878, 8956..9129, 9348..9436, 10108..10183, 10264..10332, 10416..10448, 10593..10913, 11662..12490, 13360..13592, 13638..13809, 14582..14836, 14913..15346		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o2.ts	Method	TBLASTX:Soybean
Start	8714	End	9473
GI	none	Score	86
Exons	8714..8893, 8950..9030, 9028..9135, 9037..9132, 9339..9473, 9346..9438		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o2.tc	Method	TBLASTX:Cress
Start	8733	End	9456
GI	none	Score	73
Exons	8733..8906, 8750..8887, 8945..9016, 8950..9030, 9028..9135, 9074..9130, 9339..9455, 9352..9456		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o2.tm	Method	TBLASTX:Maize
Start	8744	End	9462
GI	none	Score	119
Exons	8744..8887, 8754..8882, 8765..8887, 8945..9016, 8950..9030, 8953..9030, 9026..9130, 9030..9131, 9030..9131, 9031..9132, 9338..9436, 9339..9440, 9342..9437, 9346..9462		

Seq. No.	44216	Seq. ID	OJ000350_26.0323.C18
Gene No.	93147	Strand	-
Start	6229	End	15346
Name	OJ000350_26.0323.C18.o2.np	Method	AAT/NAP
Start	8753	End	9525
GI	3668097	Score	358
Exons	8753..8878, 8956..9129, 9348..9525		
GI Descrip.	(AC004667) glycine decarboxylase complex H-protein [Arabidopsis thaliana]		

Seq. No.	44217	Seq. ID	OJ000350_26.0323.C19
Gene No.	93148	Strand	+
Start	10303	End	11884
Name	OJ000350_26.0323.C19.o3.np	Method	AAT/NAP
Start	10303	End	11884
GI	5852093	Score	64
Exons	10303..10336, 11688..11795, 11866..11884		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44217	Seq. ID	OJ000350_26.0323.C19
Gene No.	93149	Strand	-
Start	1	End	843
Name	OJ000350_26.0323.C19.o1.np	Method	AAT/NAP

Start	1	End	843
GI	6815107	Score	26
Exons	1..81, 650..843		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	44217	Seq. ID	OJ000350_26.0323.C19
Gene No.	93150	Strand	-
Start	2911	End	10467
Name	OJ000350_26.0323.C19.o2.np	Method	AAT/NAP
Start	2911	End	3377
GI	5922631	Score	157
Exons	2911..3377		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	44217	Seq. ID	OJ000350_26.0323.C19
Gene No.	93150	Strand	-
Start	2911	End	10467
Name	OJ000350_26.0323.C19.o2.gs	Method	GENSCAN
Start	3199	End	10467
GI	none	Score	.8
Exons	3199..3489, 3732..3889, 4047..4242, 4476..4650, 4882..5011, 6909..7103, 7153..7555, 7868..8014, 8089..8206, 10325..10467		

Seq. No.	44217	Seq. ID	OJ000350_26.0323.C19
Gene No.	93151	Strand	-
Start	11267	End	11412
Name	OJ000350_26.0323.C19.o3.gs	Method	GENSCAN
Start	11267	End	11412
GI	none	Score	.99
Exons	11267..11412		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93152	Strand	+
Start	1	End	10777
Name	OJ000350_26.0323.C20.o2.np	Method	AAT/NAP
Start	1	End	7875
GI	2149640	Score	1492
Exons	1..53, 1789..1914, 2008..2373, 2455..2588, 3092..3204, 3329..3474, 3542..3629, 3736..3852, 4991..5098, 5186..5257, 5402..5524, 5619..5784, 5891..6011, 6086..6223, 6338..6480, 6571..6633, 6816..6879, 6975..7107, 7196..7269, 7361..7455, 7540..7571, 7694..7875		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93152	Strand	+

Start	1	End	10777
Name	OJ000350_26.0323.C20.o1.gs	Method	GENSCAN
Start	1024	End	10383
GI	none	Score	.74
Exons	1024..1234, 1686..1933, 2018..2373, 2455..2588, 3092..3204, 3329..3420, 3542..3629, 3736..3852, 4991..5098, 5402..5524, 5619..5784, 5891..6011, 6145..6223, 6338..6480, 6816..6879, 7361..7455, 8829..8917, 9104..9202, 9691..9915, 9979..10035, 10226..10383		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93152	Strand	+
Start	1	End	10777
Name	OJ000350_26.0323.C20.o4.np	Method	AAT/NAP
Start	8725	End	10777
GI	7339707	Score	72
Exons	8725..8992, 9695..10160, 10741..10777		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93153	Strand	-
Start	36	End	1311
Name	OJ000350_26.0323.C20.o1.np	Method	AAT/NAP
Start	36	End	1311
GI	6063539	Score	66
Exons	36..54, 1148..1311		
GI Descrip.	(AP000615) hypothetical protein [Oryza sativa]		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o1.tc	Method	TBLASTX:Cress
Start	2038	End	7878
GI	none	Score	166
Exons	2038..2172, 2039..2185, 2225..2374, 2411..2572, 2446..2586, 2456..2602, 3091..3165, 3555..3662, 3736..3852, 4988..5101, 5186..5257, 5401..5523, 5402..5524, 5604..5702, 5724..5786, 5841..5999, 5890..6000, 5985..6014, 6082..6231, 6086..6232, 6337..6477, 6338..6481, 6569..6634, 6798..6872, 6811..6876, 6951..7055, 6969..7070, 7194..7253, 7195..7269, 7358..7459, 7361..7456, 7687..7758, 7840..7878		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o2.tm	Method	TBLASTX:Maize
Start	2043	End	2376
GI	none	Score	59
Exons	2043..2099, 2044..2100, 2098..2172, 2099..2203, 2102..2206, 2103..2207, 2225..2374, 2230..2376, 2230..2301		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o1.tm	Method	TBLASTX:Maize
Start	2522	End	7923
GI	none	Score	103

Exons	2522..2605, 2522..2599, 3088..3165, 3555..3662, 3735..3851, 3736..3852, 4988..5095, 4990..5094, 5183..5257, 5186..5260, 5399..5524, 5401..5541, 5402..5524, 5611..5781, 5622..5786, 5673..5783, 5720..5785, 5889..5972, 5889..5972, 5890..5973, 5985..6014, 6084..6200, 6086..6241, 6088..6237, 6325..6429, 6329..6481, 6335..6478, 6337..6486, 6554..6637, 6568..6657, 6569..6634, 6811..6876, 6969..7076, 7194..7256, 7195..7269, 7201..7284, 7358..7459, 7361..7456, 7687..7752, 7840..7923		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o1.ts	Method	TBLASTX:Soybean
Start	3736	End	6505
GI	none	Score	99
Exons	3736..3876, 4988..5101, 4990..5100, 5186..5257, 5197..5256, 5401..5523, 5402..5524, 5604..5753, 5723..5785, 5724..5786, 5844..6011, 5890..6000, 5985..6014, 6086..6232, 6086..6196, 6088..6231, 6334..6483, 6337..6483, 6338..6505		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o1.tw	Method	TBLASTX:Wheat
Start	5212	End	6000
GI	none	Score	136
Exons	5212..5256, 5381..5524, 5401..5541, 5402..5524, 5530..5556, 5622..5786, 5670..5786, 5720..5788, 5890..6000, 5890..6000		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o2.tw	Method	TBLASTX:Wheat
Start	6084	End	6382
GI	none	Score	93
Exons	6084..6200, 6086..6226, 6088..6222, 6356..6382		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o2.ts	Method	TBLASTX:Soybean
Start	6569	End	7878
GI	none	Score	71
Exons	6569..6634, 6811..6876, 6815..6880, 6969..7070, 6972..7055, 7194..7268, 7195..7269, 7360..7485, 7361..7456, 7687..7758, 7840..7878		

Seq. No.	44218	Seq. ID	OJ000350_26.0323.C20
Gene No.	93154	Strand	-
Start	8502	End	9930
Name	OJ000350_26.0323.C20.o3.np	Method	AAT/NAP
Start	8502	End	9930
GI	7339707	Score	101
Exons	8502..8643, 8695..9038, 9698..9930		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	44219	Seq. ID	OJ000350_21.0323.C2

Gene No.	93155	Strand	-
Start	582	End	755
Name	OJ000350_21.0323.C2.o1.np	Method	AAT/NAP
Start	582	End	755
GI	6063554	Score	117
Exons	582..755		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44220	Seq. ID	OJ000350_21.0323.C14
Gene No.	93156	Strand	-
Start	699	End	1293
Name	OJ000350_21.0323.C14.o1.gs	Method	GENSCAN
Start	699	End	1293
GI	none	Score	.91
Exons	699..813, 1151..1293		

Seq. No.	44221	Seq. ID	OJ000350_21.0323.C20
Gene No.	93157	Strand	-
Start	313	End	509
Name	OJ000350_21.0323.C20.o1.gs	Method	GENSCAN
Start	313	End	509
GI	none	Score	.56
Exons	313..413, 468..509		

Seq. No.	44222	Seq. ID	OJ000350_21.0323.C28
Gene No.	93158	Strand	+
Start	80	End	726
Name	OJ000350_21.0323.C28.o1.gs	Method	GENSCAN
Start	80	End	726
GI	none	Score	.93
Exons	80..99, 408..726		

Seq. No.	44222	Seq. ID	OJ000350_21.0323.C28
Gene No.	93159	Strand	-
Start	282	End	779
Name	OJ000350_21.0323.C28.o1.gp	Method	AAT/GAP
Start	282	End	779
GI	645_1.R1084	Score	921
Exons	282..779		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 5.0e-61 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	44222	Seq. ID	OJ000350_21.0323.C28
Gene No.	93159	Strand	-
Start	282	End	779
Name	OJ000350_21.0323.C28.o1.np	Method	AAT/NAP
Start	616	End	779
GI	3915131	Score	232
Exons	616..779		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza		

sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]

Seq. No.	44223	Seq. ID	OJ000350_21.0323.C33
Gene No.	93160	Strand	+
Start	623	End	849
Name	OJ000350_21.0323.C33.o1.gp	Method	AAT/GAP
Start	623	End	849
GI	83775_1.R1084	Score	405
Exons	623..849		
GI Descrip.	'4538911/emb|CAB39648.1| 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44223	Seq. ID	OJ000350_21.0323.C33
Gene No.	93160	Strand	+
Start	623	End	849
Name	OJ000350_21.0323.C33.o1.gs	Method	GENSCAN
Start	627	End	843
GI	none	Score	.95
Exons	627..843		

Seq. No.	44223	Seq. ID	OJ000350_21.0323.C33
Gene No.	93160	Strand	+
Start	623	End	849
Name	OJ000350_21.0323.C33.o1.tm	Method	TBLASTX:Maize
Start	630	End	849
GI	none	Score	226
Exons	630..806, 640..846, 640..849		

Seq. No.	44224	Seq. ID	OJ000350_21.0323.C37
Gene No.	93161	Strand	+
Start	187	End	1804
Name	OJ000350_21.0323.C37.o1.gs	Method	GENSCAN
Start	187	End	1804
GI	none	Score	.99
Exons	187..297, 1722..1804		

Seq. No.	44225	Seq. ID	OJ000350_21.0323.C60
Gene No.	93162	Strand	-
Start	447	End	746
Name	OJ000350_21.0323.C60.o1.gs	Method	GENSCAN
Start	447	End	598
GI	none	Score	.57
Exons	447..598		

Seq. No.	44225	Seq. ID	OJ000350_21.0323.C60
Gene No.	93162	Strand	-
Start	447	End	746
Name	OJ000350_21.0323.C60.o1.np	Method	AAT/NAP
Start	447	End	746
GI	7106516	Score	122
Exons	447..746		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44226	Seq. ID	OJ000350_21.0323.C61
Gene No.	93163	Strand	+
Start	279	End	387
Name	OJ000350_21.0323.C61.o1.gs	Method	GENSCAN

Start	279	End	387
GI	none	Score	.46
Exons	279..387		

Seq. No.	44227	Seq. ID	OJ000350_21.0323.C66
Gene No.	93164	Strand	-
Start	1085	End	1137
Name	OJ000350_21.0323.C66.o1.gs	Method	GENSCAN
Start	1085	End	1137
GI	none	Score	.68
Exons	1085..1137		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93165	Strand	+
Start	7374	End	7479
Name	OJ000350_21.0323.C69.o3.gp	Method	AAT/GAP
Start	7374	End	7479
GI	5816518	Score	160
Exons	7374..7479		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o1.np	Method	AAT/NAP
Start	269	End	6849
GI	4378066	Score	2823
Exons	269..5160, 5446..5741, 6719..6849		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o1.gs	Method	GENSCAN
Start	542	End	5763
GI	none	Score	.54
Exons	542..1045, 1247..2611, 2642..2836, 2851..3705, 3736..4153, 4207..4942, 5152..5399, 5573..5763		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o5.tm	Method	TBLASTX:Maize
Start	588	End	829
GI	none	Score	40
Exons	588..647, 596..829, 726..824		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o6.tw	Method	TBLASTX:Wheat
Start	596	End	874
GI	none	Score	102
Exons	596..727, 755..874		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o2.ts	Method	TBLASTX:Soybean
Start	845	End	1204
GI	none	Score	55
Exons	845..1069, 852..1070, 1076..1204, 1077..1190		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o2.tm	Method	TBLASTX:Maize
Start	860	End	1222
GI	none	Score	263
Exons	860..1222, 861..1130		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o4.tw	Method	TBLASTX:Wheat
Start	992	End	1381
GI	none	Score	241
Exons	992..1381		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o4.tm	Method	TBLASTX:Maize
Start	1225	End	1489
GI	none	Score	88
Exons	1225..1437, 1226..1489, 1227..1382		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o6.tm	Method	TBLASTX:Maize
Start	1520	End	1756
GI	none	Score	186
Exons	1520..1756		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o3.tw	Method	TBLASTX:Wheat
Start	1691	End	2123
GI	none	Score	147
Exons	1691..2122, 1701..1982, 2007..2123		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o7.tw	Method	TBLASTX:Wheat
Start	2123	End	2314
GI	none	Score	63
Exons	2123..2314, 2177..2302		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	2773
GI	none	Score	81
Exons	2405..2773, 2598..2723		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o2.tw	Method	TBLASTX:Wheat
Start	2405	End	2819
GI	none	Score	139
Exons	2405..2818, 2426..2818, 2505..2819		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o3.tm	Method	TBLASTX:Maize
Start	2492	End	2839
GI	none	Score	202
Exons	2492..2839, 2505..2834		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o1.tm	Method	TBLASTX:Maize
Start	2902	End	3259
GI	none	Score	245
Exons	2902..3258, 2903..3259		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o1.tw	Method	TBLASTX:Wheat
Start	2932	End	3387
GI	none	Score	262
Exons	2932..3387, 2933..3337, 2968..3363		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o5.tw	Method	TBLASTX:Wheat
Start	3592	End	3969
GI	none	Score	101
Exons	3592..3780, 3593..3775, 3820..3969		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o2.gs	Method	GENSCAN
Start	6548	End	10779
GI	none	Score	.81
Exons	6548..7104, 8637..8658, 9129..9419, 9543..9654, 9674..10779		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69

Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o3.np	Method	AAT/NAP
Start	9604	End	11634
GI	7106512	Score	2328
Exons	9604..11634		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44228	Seq. ID	OJ000350_21.0323.C69
Gene No.	93166	Strand	-
Start	269	End	11634
Name	OJ000350_21.0323.C69.o3.gs	Method	GENSCAN
Start	11066	End	11575
GI	none	Score	1
Exons	11066..11575		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93167	Strand	+
Start	1	End	3122
Name	OJ000350_21.0323.C70.o2.np	Method	AAT/NAP
Start	1	End	3122
GI	6063554	Score	265
Exons	1..121, 2289..2319, 2951..3122		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93168	Strand	+
Start	3495	End	3746
Name	OJ000350_21.0323.C70.o3.gp	Method	AAT/GAP
Start	3495	End	3746
GI	61605_3.R1084	Score	436
Exons	3495..3746		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93169	Strand	+
Start	4716	End	5673
Name	OJ000350_21.0323.C70.o2.gs	Method	GENSCAN
Start	4716	End	5616
GI	none	Score	.88
Exons	4716..4724, 4942..5616		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93169	Strand	+
Start	4716	End	5673
Name	OJ000350_21.0323.C70.o3.np	Method	AAT/NAP
Start	4942	End	5673
GI	4512231	Score	1047
Exons	4942..5673		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93170	Strand	-

Start	1	End	3995
Name	OJ000350_21.0323.C70.o1.np	Method	AAT/NAP
Start	1	End	1854
GI	7106512	Score	1030
Exons	1..615, 665..845, 1277..1475, 1610..1720, 1794..1854		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93170	Strand	-
Start	1	End	3995
Name	OJ000350_21.0323.C70.o1.gs	Method	GENSCAN
Start	32	End	3995
GI	none	Score	.65
Exons	32..563, 739..942, 1660..1720, 2853..2977, 3673..3995		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93170	Strand	-
Start	1	End	3995
Name	OJ000350_21.0323.C70.o1.gp	Method	AAT/GAP
Start	1751	End	1980
GI	3761181	Score	346
Exons	1751..1980		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44229	Seq. ID	OJ000350_21.0323.C70
Gene No.	93170	Strand	-
Start	1	End	3995
Name	OJ000350_21.0323.C70.o2.gp	Method	AAT/GAP
Start	1988	End	2095
GI	5816518	Score	156
Exons	1988..2095		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93171	Strand	+
Start	31	End	11043
Name	OJ000350_21.0323.C71.o1.np	Method	AAT/NAP
Start	31	End	3587
GI	5042447	Score	4064
Exons	31..1081, 1109..3587		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93171	Strand	+
Start	31	End	11043
Name	OJ000350_21.0323.C71.o1.gs	Method	GENSCAN
Start	77	End	10794
GI	none	Score	.47
Exons	77..801, 887..981, 1026..1166, 1395..2125, 2456..3296, 3702..4154, 4664..5713, 5786..6630, 6655..7305, 7359..7470, 7505..7827, 7915..8676, 8794..10104, 10240..10794		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93171	Strand	+

Start	31	End	11043
Name	OJ000350_21.0323.C71.o3.np	Method	AAT/NAP
Start	4220	End	6315
GI	7523517	Score	202
Exons	4220..4519, 4664..4718, 6248..6315		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93171	Strand	+
Start	31	End	11043
Name	OJ000350_21.0323.C71.o4.np	Method	AAT/NAP
Start	6135	End	11043
GI	7228457	Score	3151
Exons	6135..7737, 7792..9438, 9505..11043		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93172	Strand	+
Start	15088	End	15564
Name	OJ000350_21.0323.C71.o7.np	Method	AAT/NAP
Start	15088	End	15564
GI	7523517	Score	199
Exons	15088..15365, 15510..15564		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93173	Strand	+
Start	16616	End	17517
Name	OJ000350_21.0323.C71.o8.np	Method	AAT/NAP
Start	16616	End	17517
GI	5852178	Score	365
Exons	16616..16899, 16928..17049, 17414..17517		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93174	Strand	-
Start	11665	End	17031
Name	OJ000350_21.0323.C71.o2.gs	Method	GENSCAN
Start	11665	End	17031
GI	none	Score	.74
Exons	11665..12182, 12281..12398, 12602..12855, 12891..13001, 13170..13309, 13379..13437, 13508..13693, 13761..13885, 14052..14170, 14382..14415, 14538..14790, 15063..15243, 15662..15820, 15822..15898, 16621..17031		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93174	Strand	-
Start	11665	End	17031
Name	OJ000350_21.0323.C71.o5.np	Method	AAT/NAP
Start	12549	End	14148
GI	6721561	Score	963
Exons	12549..13309, 13379..13437, 13508..13698, 14085..14148		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93174	Strand	-
Start	11665	End	17031
Name	OJ000350_21.0323.C71.o6.np	Method	AAT/NAP
Start	13048	End	14637
GI	6721558	Score	243
Exons	13048..13213, 13712..13885, 14538..14637		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o13.tw	Method	TBLASTX:Wheat
Start	232	End	430
GI	none	Score	193
Exons	232..429, 248..430		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o7.tm	Method	TBLASTX:Maize
Start	482	End	787
GI	none	Score	238
Exons	482..787		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o9.tw	Method	TBLASTX:Wheat
Start	485	End	826
GI	none	Score	289
Exons	485..826, 602..727, 603..728		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o11.tw	Method	TBLASTX:Wheat
Start	1166	End	1519
GI	none	Score	241
Exons	1166..1519		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o3.tm	Method	TBLASTX:Maize
Start	1784	End	8355
GI	none	Score	165
Exons	1784..2029, 7999..8355, 8053..8301, 8061..8354		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657

Name	OJ000350_21.0323.C71.o4.tw	Method	TBLASTX:Wheat
Start	1784	End	8325
GI	none	Score	136
Exons	1784..2002, 7869..8324, 7870..8325		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o4.ts	Method	TBLASTX:Soybean
Start	1829	End	8274
GI	none	Score	101
Exons	1829..1963, 7909..8133, 8140..8274		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o12.tw	Method	TBLASTX:Wheat
Start	2012	End	2198
GI	none	Score	218
Exons	2012..2158, 2020..2157, 2067..2198		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o6.tm	Method	TBLASTX:Maize
Start	2030	End	8832
GI	none	Score	106
Exons	2030..2158, 2219..2521, 2272..2364, 8356..8502, 8497..8832		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o1.ts	Method	TBLASTX:Soybean
Start	2075	End	8781
GI	none	Score	57
Exons	2075..2107, 2075..2107, 2111..2155, 2113..2154, 2175..2252, 2219..2470, 2227..2364, 8410..8781		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o5.tw	Method	TBLASTX:Wheat
Start	2240	End	8864
GI	none	Score	118
Exons	2240..2485, 8440..8862, 8445..8864		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o3.tw	Method	TBLASTX:Wheat
Start	2486	End	2911
GI	none	Score	591
Exons	2486..2911, 2488..2904		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657

Name	OJ000350_21.0323.C71.o3.ts	Method	TBLASTX:Soybean
Start	2492	End	9057
GI	none	Score	203
Exons	2492..2740, 2518..2622, 2677..2721, 8803..8931, 8950..9057		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o2.tm	Method	TBLASTX:Maize
Start	2558	End	2911
GI	none	Score	470
Exons	2558..2911, 2563..2904		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o2.tw	Method	TBLASTX:Wheat
Start	2939	End	10182
GI	none	Score	615
Exons	2939..3478, 3109..3474, 3128..3478, 10066..10182		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o1.tc	Method	TBLASTX:Cress
Start	3176	End	3502
GI	none	Score	84
Exons	3176..3358, 3359..3502, 3361..3501		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o2.ts	Method	TBLASTX:Soybean
Start	3266	End	3526
GI	none	Score	292
Exons	3266..3526, 3269..3517, 3271..3525		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o4.tm	Method	TBLASTX:Maize
Start	3324	End	3616
GI	none	Score	88
Exons	3324..3509, 3325..3612, 3326..3616		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o1.tw	Method	TBLASTX:Wheat
Start	3485	End	10677
GI	none	Score	693
Exons	3485..4111, 3487..3990, 3488..4069, 10360..10515, 10549..10677		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o1.tm	Method	TBLASTX:Maize

Start	3664	End	15663
GI	none	Score	229
Exons	3664..3819, 3665..3826, 3823..3987, 3824..4156, 4051..4131, 15565..15663		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o8.tw	Method	TBLASTX:Wheat
Start	4112	End	15858
GI	none	Score	55
Exons	4112..4162, 15571..15858, 15573..15806		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o10.tw	Method	TBLASTX:Wheat
Start	6184	End	6588
GI	none	Score	53
Exons	6184..6228, 6267..6305, 6277..6351, 6316..6588, 6363..6587		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o6.tw	Method	TBLASTX:Wheat
Start	7222	End	7677
GI	none	Score	146
Exons	7222..7404, 7230..7403, 7441..7677, 7443..7559		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o7.tw	Method	TBLASTX:Wheat
Start	9009	End	9417
GI	none	Score	205
Exons	9009..9236, 9010..9234, 9244..9417, 9346..9417		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o14.tw	Method	TBLASTX:Wheat
Start	9919	End	10302
GI	none	Score	131
Exons	9919..10065, 10182..10301, 10183..10302		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o5.tm	Method	TBLASTX:Maize
Start	9919	End	10223
GI	none	Score	320
Exons	9919..10215, 9957..10223		

Seq. No.	44230	Seq. ID	OJ000350_21.0323.C71
Gene No.	93175	Strand	-
Start	18927	End	19657
Name	OJ000350_21.0323.C71.o3.gs	Method	GENSCAN

Start	18927	End	19657
GI	none	Score	.83
Exons	18927..19099, 19276..19657		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93176	Strand	+
Start	533	End	3014
Name	OJ000350_21.0323.C72.o1.gs	Method	GENSCAN
Start	533	End	3014
GI	none	Score	.92
Exons	533..673, 851..959, 2899..3014		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93177	Strand	+
Start	4752	End	8336
Name	OJ000350_21.0323.C72.o2.np	Method	AAT/NAP
Start	4752	End	8336
GI	7520163	Score	343
Exons	4752..4882, 5453..5906, 6044..6161, 8249..8336		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - Anomochloa marantoidea chloroplast (fragment) gi|726148|gb|AAA64196.1| (U21992) NADH dehydrogenase F [Anomochloa marantoidea]		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93178	Strand	-
Start	1606	End	4528
Name	OJ000350_21.0323.C72.o1.np	Method	AAT/NAP
Start	1606	End	4015
GI	4680199	Score	316
Exons	1606..1630, 3237..3360, 3430..3565, 3641..4015		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93178	Strand	-
Start	1606	End	4528
Name	OJ000350_21.0323.C72.o2.gs	Method	GENSCAN
Start	3386	End	4528
GI	none	Score	.63
Exons	3386..3528, 3598..3851, 4101..4222, 4384..4441, 4506..4528		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93179	Strand	-
Start	7209	End	9485
Name	OJ000350_21.0323.C72.o1.ts	Method	TBLASTX:Soybean
Start	3428	End	3856
GI	none	Score	67
Exons	3428..3526, 3429..3524, 3638..3856		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93179	Strand	-
Start	7209	End	9485
Name	OJ000350_21.0323.C72.o1.tm	Method	TBLASTX:Maize
Start	3449	End	3853
GI	none	Score	83
Exons	3449..3526, 3584..3853, 3651..3845		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93179	Strand	-
Start	7209	End	9485
Name	OJ000350_21.0323.C72.o1.tw	Method	TBLASTX:Wheat
Start	3602	End	4006
GI	none	Score	76
Exons	3602..3622, 3629..4006, 3629..3853, 3884..3964		

Seq. No.	44231	Seq. ID	OJ000350_21.0323.C72
Gene No.	93179	Strand	-
Start	7209	End	9485
Name	OJ000350_21.0323.C72.o3.gs	Method	GENSCAN
Start	7209	End	9485
GI	none	Score	.66
Exons	7209..7437, 8170..8333, 9463..9485		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93180	Strand	+
Start	3061	End	7341
Name	OJ000350_21.0323.C73.o1.gp	Method	AAT/GAP
Start	3061	End	6866
GI	uC-osflcyp126f01b1	Score	860
Exons	3061..3122, 3519..3610, 5052..5117, 5850..5974, 6580..6654, 6803..6866		
GI Descrip.	'3193304 8.0e-35 (AF069298) contains similarity to RNA recognition motifs (Pfam: rrm.hmm, score; 82.09 and 30.80); similar to alternative splicing factor ASF [Arabidopsis thaliana]'		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93180	Strand	+
Start	3061	End	7341
Name	OJ000350_21.0323.C73.o2.gs	Method	GENSCAN
Start	3524	End	7159
GI	none	Score	.61
Exons	3524..3610, 5052..5117, 6580..6654, 6803..6906, 6984..7159		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93180	Strand	+
Start	3061	End	7341
Name	OJ000350_21.0323.C73.o2.np	Method	AAT/NAP
Start	3524	End	7341
GI	5815236	Score	400
Exons	3524..3610, 5052..5117, 6580..6654, 6803..6904, 6941..7030, 7102..7163, 7256..7341		
GI Descrip.	(AF173640) splicing factor SR1B [Arabidopsis thaliana]		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323.C73.o1.np	Method	AAT/NAP
Start	1	End	995
GI	6735313	Score	559
Exons	1..438, 469..995		
GI Descrip.	(AL137080) dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73

Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323:C73.o1.tm	Method	TBLASTX:Maize
Start	3	End	684
GI	none	Score	83
Exons	3..134, 135..257, 339..389, 477..683, 534..680, 547..684		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323.C73.o1.gs	Method	GENSCAN
Start	19	End	3320
GI	none	Score	.53
Exons	19..166, 245..1055, 2194..2291, 2501..2543, 2712..3320		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323.C73.o1.tc	Method	TBLASTX:Cress
Start	36	End	636
GI	none	Score	75
Exons	36..134, 144..239, 327..389, 477..635, 534..635, 547..636		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323.C73.o1.ts	Method	TBLASTX:Soybean
Start	135	End	746
GI	none	Score	66
Exons	135..245, 339..389, 477..746, 497..679, 547..726		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93181	Strand	-
Start	1	End	3320
Name	OJ000350_21.0323.C73.o2.tm	Method	TBLASTX:Maize
Start	699	End	1028
GI	none	Score	202
Exons	699..1028, 702..1007, 856..1008		

Seq. No.	44232	Seq. ID	OJ000350_21.0323.C73
Gene No.	93182	Strand	
Start	3512	End	7177
Name	OJ000350_21.0323.C73.o3.tm	Method	TBLASTX:Maize
Start	3512	End	7177
GI	none	Score	145
Exons	3512..3610, 3516..3605, 3518..3610, 5021..5125, 5049..5126, 5050..5130, 6572..6655, 6574..6657, 6578..6655, 6579..6656, 6801..6839, 6802..6837, 6817..6906, 6831..6899, 6982..7032, 6983..7030, 6983..7039, 6984..7040, 7093..7158, 7099..7158, 7100..7177		

Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93183	Strand	+
Start	1073	End	1723
Name	OJ000350_21.0323.C74.o1.gp	Method	AAT/GAP
Start	1073	End	1723
GI	none	Score	711

Exons	1073..1107, 1177..1245, 1337..1723		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93184	Strand	+
Start	1916	End	5652
Name	OJ000350_21.0323.C74.o1.gs	Method	GENSCAN
Start	1916	End	3579
GI	none	Score	.64
Exons	1916..2003, 3383..3579		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93184	Strand	+
Start	1916	End	5652
Name	OJ000350_21.0323.C74.o1.np	Method	AAT/NAP
Start	3271	End	5652
GI	6358813	Score	758
Exons	3271..3481, 3992..4167, 4510..4647, 4890..5019, 5172..5652		
GI Descrip.	(AC010675) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93185	Strand	-
Start	3876	End	6791
Name	OJ000350_21.0323.C74.o2.tm	Method	TBLASTX:Maize
Start	3239	End	4164
GI	none	Score	114
Exons	3239..3388, 3256..3396, 3261..3392, 3271..3405, 3273..3428, 3299..3442, 3991..4086, 3993..4028, 3996..4163, 4068..4163, 4069..4164		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93185	Strand	-
Start	3876	End	6791
Name	OJ000350_21.0323.C74.o2.gs	Method	GENSCAN
Start	3876	End	6791
GI	none	Score	.87
Exons	3876..4051, 5505..5777, 6743..6791		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93185	Strand	-
Start	3876	End	6791
Name	OJ000350_21.0323.C74.o1.tm	Method	TBLASTX:Maize
Start	4536	End	5692
GI	none	Score	97
Exons	4536..4598, 4537..4593, 4600..4647, 4602..4649, 4872..4937, 4889..4939, 4895..4954, 4924..5025, 4941..5024, 5158..5220, 5169..5216, 5202..5261, 5202..5255, 5216..5260, 5343..5438, 5357..5413, 5380..5418, 5418..5513, 5423..5512, 5510..5560, 5555..5635, 5566..5637, 5571..5636, 5642..5692		
Seq. No.	44233	Seq. ID	OJ000350_21.0323.C74
Gene No.	93185	Strand	-
Start	3876	End	6791
Name	OJ000350_21.0323.C74.o2.gp	Method	AAT/GAP
Start	5429	End	5947
GI	none	Score	834
Exons	5429..5947		

Seq. No.	44234	Seq. ID	OJ000350_21.0323.C75
Gene No.	93186	Strand	+
Start	764	End	6589
Name	OJ000350_21.0323.C75.o1.gs	Method	GENSCAN
Start	764	End	6589
GI	none	Score	.65
Exons	764..883, 979..1143, 1375..1479, 1932..2094, 2321..2444, 6424..6589		

Seq. No.	44234	Seq. ID	OJ000350_21.0323.C75
Gene No.	93187	Strand	+
Start	6647	End	6856
Name	OJ000350_21.0323.C75.o1.np	Method	AAT/NAP
Start	6647	End	6856
GI	132672	Score	149
Exons	6647..6856		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71224|pir||R5RZ14 ribosomal protein L14 - rice chloroplast gi|12023|emb|CAA33932| (X15901) ribosomal protein L14 [Oryza sativa] gi|226644|prf||1603356BU ribosomal protein L14 [Oryza sativa]		

Seq. No.	44234	Seq. ID	OJ000350_21.0323.C75
Gene No.	93188	Strand	-
Start	6282	End	6396
Name	OJ000350_21.0323.C75.o1.gp	Method	AAT/GAP
Start	6282	End	6396
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	6282..6396		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93189	Strand	+
Start	10007	End	18229
Name	OJ000350_21.0323.C76.o1.gp	Method	AAT/GAP
Start	9718	End	10099
GI	uC-osflcyp033a04b1	Score	659
Exons	9718..10099		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93189	Strand	+
Start	10007	End	18229
Name	OJ000350_21.0323.C76.o2.gs	Method	GENSCAN
Start	10007	End	18229
GI	none	Score	.85
Exons	10007..10051, 11535..11652, 11667..11742, 11818..11957, 12835..12974, 13091..13229, 14027..14135, 14351..14490, 17460..18229		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93190	Strand	-
Start	138	End	13568
Name	OJ000350_21.0323.C76.o1.np	Method	AAT/NAP
Start	135	End	5163

GI	6598488	Score	509
Exons	135..442, 509..665, 2107..2731, 5114..5163		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93190	Strand	-
Start	138	End	13568
Name	OJ000350_21.0323.C76.o1.gs	Method	GENSCAN
Start	138	End	9294
GI	none	Score	.54
Exons	138..665, 2107..2284, 2290..2655, 2669..2841, 3528..3627, 3775..3946, 7455..7502, 8353..8985, 9207..9294		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93190	Strand	-
Start	138	End	13568
Name	OJ000350_21.0323.C76.o3.np	Method	AAT/NAP
Start	8385	End	13568
GI	5852180	Score	490
Exons	8385..8799, 8851..8969, 9948..10001, 13475..13568		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o3.gs	Method	GENSCAN
Start	18922	End	22320
GI	none	Score	.48
Exons	18922..19062, 19148..19225, 19240..19467, 19547..19648, 19856..20109, 20173..20496, 20811..21066, 21159..21249, 21533..22320		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o2.gp	Method	AAT/GAP
Start	20480	End	20911
GI	LIB3433-020-P1-K1-A6	Score	715
Exons	20480..20911		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o5.np	Method	AAT/NAP
Start	21257	End	22233
GI	7228438	Score	889
Exons	21257..22233		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o6.np	Method	AAT/NAP

Start	21258	End	22233
GI	7228438	Score	894
Exons	21258..22233		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o7.np	Method	AAT/NAP
Start	21260	End	21852
GI	5441880	Score	678
Exons	21260..21852		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93191	Strand	-
Start	18922	End	22320
Name	OJ000350_21.0323.C76.o8.np	Method	AAT/NAP
Start	21265	End	22320
GI	7228442	Score	1016
Exons	21265..22320		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93192	Strand	-
Start	24306	End	27020
Name	OJ000350_21.0323.C76.o2.ts	Method	TBLASTX:Soybean
Start	264	End	2172
GI	none	Score	65
Exons	264..422, 265..402, 453..665, 2104..2172		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93192	Strand	-
Start	24306	End	27020
Name	OJ000350_21.0323.C76.o1.tm	Method	TBLASTX:Maize
Start	492	End	2552
GI	none	Score	208
Exons	492..644, 2098..2268, 2283..2552		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93192	Strand	-
Start	24306	End	27020
Name	OJ000350_21.0323.C76.o1.ts	Method	TBLASTX:Soybean
Start	2379	End	2672
GI	none	Score	212
Exons	2379..2672		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93192	Strand	-
Start	24306	End	27020
Name	OJ000350_21.0323.C76.o4.gs	Method	GENSCAN

Start	24306	End	27020
GI	none	Score	.76
Exons	24306..24523, 25184..25340, 26922..27020		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93193	Strand	
Start	28459	End	28884
Name	OJ000350_21.0323.C76.o2.tm	Method	TBLASTX:Maize
Start	28459	End	28884
GI	none	Score	64
Exons	28459..28524, 28570..28722, 28572..28721, 28764..28871, 28765..28884		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93193	Strand	
Start	28459	End	28884
Name	OJ000350_21.0323.C76.o1.tw	Method	TBLASTX:Wheat
Start	28504	End	28827
GI	none	Score	258
Exons	28504..28827, 28533..28679, 28588..28710, 28737..28826		

Seq. No.	44235	Seq. ID	OJ000350_21.0323.C76
Gene No.	93194	Strand	
Start	28936	End	29205
Name	OJ000350_21.0323.C76.o3.tm	Method	TBLASTX:Maize
Start	28936	End	29205
GI	none	Score	202
Exons	28936..29205		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93195	Strand	+
Start	764	End	855
Name	OJ000350_21.0323.C77.o1.gp	Method	AAT/GAP
Start	764	End	855
GI	5867_1.R1084	Score	129
Exons	764..855		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93196	Strand	+
Start	2554	End	3615
Name	OJ000350_21.0323.C77.o1.gs	Method	GENSCAN
Start	2554	End	3615
GI	none	Score	1
Exons	2554..3615		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93196	Strand	+
Start	2554	End	3615
Name	OJ000350_21.0323.C77.o2.np	Method	AAT/NAP
Start	2626	End	3612

GI	7487012	Score	699
Exons	2626..3612		
GI Descrip.	hypothetical protein T14P8.22 - Arabidopsis thaliana gi|3193286|gb|AAC19270.1| (AF069298) T14P8.22 gene product [Arabidopsis thaliana] gi|7269004|emb|CAB80737.1| (AL161494) putative protein [Arabidopsis thaliana]		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93197	Strand	+
Start	6857	End	9160
Name	OJ000350_21.0323.C77.o2.gs	Method	GENSCAN
Start	6857	End	9160
GI	none	Score	.47
Exons	6857..6872, 7412..7487, 7523..7833, 9105..9160		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o1.np	Method	AAT/NAP
Start	1	End	7687
GI	6721512	Score	110
Exons	1..46, 187..323, 351..469, 7666..7687		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o2.tm	Method	TBLASTX:Maize
Start	2635	End	2898
GI	none	Score	116
Exons	2635..2709, 2673..2750, 2821..2898, 2835..2894		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o2.ts	Method	TBLASTX:Soybean
Start	2644	End	3357
GI	none	Score	65
Exons	2644..2709, 2845..2913, 2850..2891, 3229..3357, 3231..3356		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o1.tc	Method	TBLASTX:Cress
Start	3301	End	3615
GI	none	Score	165
Exons	3301..3435, 3303..3407, 3430..3483, 3520..3543, 3540..3614, 3541..3615		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o1.ts	Method	TBLASTX:Soybean
Start	3358	End	3635
GI	none	Score	278
Exons	3358..3615, 3453..3635		

Seq. No.	44236	Seq. ID	OJ000350_21.0323.C77
Gene No.	93198	Strand	-
Start	1	End	7687
Name	OJ000350_21.0323.C77.o1.tm	Method	TBLASTX:Maize
Start	3490	End	3629
GI	none	Score	230
Exons	3490..3615, 3495..3629		

Seq. No.	44237	Seq. ID	OJ000350_21.0323.C81
Gene No.	93199	Strand	-
Start	704	End	1462
Name	OJ000350_21.0323.C81.o1.tm	Method	TBLASTX:Maize
Start	681	End	1048
GI	none	Score	120
Exons	681..764, 691..768, 695..808, 888..1007, 911..1018, 998..1048, 1016..1048		

Seq. No.	44237	Seq. ID	OJ000350_21.0323.C81
Gene No.	93199	Strand	-
Start	704	End	1462
Name	OJ000350_21.0323.C81.o1.tw	Method	TBLASTX:Wheat
Start	703	End	1048
GI	none	Score	102
Exons	703..762, 704..766, 704..763, 891..1010, 893..1048, 911..1048		

Seq. No.	44237	Seq. ID	OJ000350_21.0323.C81
Gene No.	93199	Strand	-
Start	704	End	1462
Name	OJ000350_21.0323.C81.o1.gp	Method	AAT/GAP
Start	704	End	1200
GI	392_3.R1084	Score	438
Exons	704..761, 894..1048, 1131..1200		
GI Descrip.	'401043/sp|P31674|RS15_ORYSA 1.0e-50 40S RIBOSOMAL PROTEIN S15 >gi_218131_dbj_BAA01746_ (D10962) unnamed protein product [Oryza sativa]'		

Seq. No.	44237	Seq. ID	OJ000350_21.0323.C81
Gene No.	93199	Strand	-
Start	704	End	1462
Name	OJ000350_21.0323.C81.o1.gs	Method	GENSCAN
Start	704	End	1462
GI	none	Score	.84
Exons	704..761, 894..1048, 1131..1197, 1404..1462		

Seq. No.	44237	Seq. ID	OJ000350_21.0323.C81
Gene No.	93199	Strand	-
Start	704	End	1462
Name	OJ000350_21.0323.C81.o1.np	Method	AAT/NAP
Start	704	End	1051
GI	401043	Score	255
Exons	704..761, 894..1051		
GI Descrip.	40S RIBOSOMAL PROTEIN S15 gi|218131|dbj|BAA01746| (D10962) unnamed protein product [Oryza sativa]		

Seq. No.	44238	Seq. ID	OJ000350_21.0323.C82
Gene No.	93200	Strand	-
Start	369	End	434

Name	OJ000350_21.0323.C82.o1.gs	Method	GENSCAN
Start	369	End	434
GI	none	Score	.8
Exons	369..434		

Seq. No.	44239	Seq. ID	OJ000350_21.0323.C87
Gene No.	93201	Strand	-
Start	237	End	955
Name	OJ000350_21.0323.C87.o1.gs	Method	GENSCAN
Start	237	End	955
GI	none	Score	.87
Exons	237..343, 685..955		

Seq. No.	44240	Seq. ID	OJ000350_21.0323.C89
Gene No.	93202	Strand	+
Start	482	End	619
Name	OJ000350_21.0323.C89.o1.gp	Method	AAT/GAP
Start	482	End	619
GI	286923	Score	249
Exons	482..619		

Seq. No.	44240	Seq. ID	OJ000350_21.0323.C89
Gene No.	93202	Strand	+
Start	482	End	619
Name	OJ000350_21.0323.C89.o1.gs	Method	GENSCAN
Start	517	End	615
GI	none	Score	.99
Exons	517..615		

Seq. No.	44241	Seq. ID	OJ000350_21.0323.C93
Gene No.	93203	Strand	+
Start	528	End	738
Name	OJ000350_21.0323.C93.o1.gs	Method	GENSCAN
Start	528	End	738
GI	none	Score	.43
Exons	528..738		

Seq. No.	44242	Seq. ID	OJ000350_21.0323.C94
Gene No.	93204	Strand	-
Start	1690	End	2253
Name	OJ000350_21.0323.C94.o1.np	Method	AAT/NAP
Start	1690	End	2253
GI	6539570	Score	140
Exons	1690..1756, 1949..2038, 2141..2253		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o1.np	Method	AAT/NAP
Start	1	End	2453
GI	7486205	Score	793
Exons	1..706, 864..1346, 1623..1795, 2084..2267, 2376..2453		
GI Descrip.	hypothetical protein F26K10.80 - Arabidopsis thaliana gi|7269674|emb|CAB79622.1| (AL161572) putative protein [Arabidopsis thaliana]		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o1.gs	Method	GENSCAN
Start	257	End	3023
GI	none	Score	.71
Exons	257..706, 864..1346, 1623..1795, 2084..2187, 2226..2267, 2650..3023		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o1.gp	Method	AAT/GAP
Start	2081	End	2637
GI	3761733	Score	852
Exons	2081..2267, 2376..2637		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o2.np	Method	AAT/NAP
Start	2128	End	5354
GI	5852093	Score	61
Exons	2128..2166, 3508..3647, 5255..5354		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o2.gp	Method	AAT/GAP
Start	5046	End	6654
GI	1344_1.R1084	Score	2624
Exons	5046..5565, 5659..5737, 5810..6277, 6360..6654		
GI Descrip.	'729478/sp|P41344|FENR_ORYSA 1.0e-159 FERREDOXIN--NADP REDUCTASE, LEAF ISOZYME PRECURSOR (FNR) >gi_442481_dbj_BAA04616_ (D17790) ferredoxin-NADP+ reductase [Oryza sativa] >gi_6069649_dbj_BAA85425.1_ (AP000616) ESTs AU078647(E1557),C72400(E1557) correspond to a region of the predicted gene.; similar to ferredoxin-NADP+ reductase (D17790) [Oryza sativa]'		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o3.np	Method	AAT/NAP
Start	5054	End	6424
GI	6561891	Score	1399
Exons	5054..5565, 5659..5737, 5810..6277, 6360..6424		
GI Descrip.	(AB035645) ferredoxin [Zea mays]		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93205	Strand	+
Start	1	End	6654
Name	OJ000210_23.0322.C2.o3.gs	Method	GENSCAN
Start	5863	End	6427
GI	none	Score	.67
Exons	5863..6277, 6360..6427		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93206	Strand	+
Start	6908	End	9659
Name	OJ000210_23.0322.C2.o3.gp	Method	AAT/GAP
Start	6839	End	7254
GI	518_5.R1084	Score	804
Exons	6839..7254		
GI Descrip.	'2058273/dbj|BAA19798| 8.0e-47 (D83527) YK426 [Oryza sativa]'		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93206	Strand	+
Start	6908	End	9659
Name	OJ000210_23.0322.C2.o4.gs	Method	GENSCAN
Start	6908	End	9658
GI	none	Score	.64
Exons	6908..7276, 7747..7869, 9576..9658		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93206	Strand	+
Start	6908	End	9659
Name	OJ000210_23.0322.C2.o4.np	Method	AAT/NAP
Start	6908	End	9659
GI	6174959	Score	848
Exons	6908..7276, 7747..7869, 9576..9659		
GI Descrip.	60S RIBOSOMAL PROTEIN L9 gi|2058273|dbj|BAA19798| (D83527) YK426 [Oryza sativa]		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93207	Strand	-
Start	4716	End	5637
Name	OJ000210_23.0322.C2.o2.gs	Method	GENSCAN
Start	4716	End	5637
GI	none	Score	.84
Exons	4716..4909, 5016..5637		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o2.tm	Method	TBLASTX:Maize
Start	254	End	962
GI	none	Score	629
Exons	254..709, 256..543, 308..655, 658..711, 862..894, 921..962		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o4.tm	Method	TBLASTX:Maize
Start	963	End	1345
GI	none	Score	200
Exons	963..1118, 985..1113, 1004..1117, 1124..1345, 1125..1343		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o3.ts	Method	TBLASTX:Soybean
Start	1620	End	2452

GI	none	Score	135
Exons	1620..1799, 2082..2270, 2084..2224, 2124..2273, 2373..2441, 2378..2452		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o5.tm	Method	TBLASTX:Maize
Start	1651	End	2463
GI	none	Score	207
Exons	1651..1794, 1656..1796, 1673..1804, 1870..1962, 2081..2224, 2082..2270, 2082..2273, 2373..2444, 2377..2463, 2378..2443		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o4.tc	Method	TBLASTX:Cress
Start	1662	End	2426
GI	none	Score	89
Exons	1662..1799, 2082..2270, 2373..2426		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o1.ts	Method	TBLASTX:Soybean
Start	5277	End	6421
GI	none	Score	34
Exons	5277..5318, 5323..5346, 5325..5567, 5335..5571, 5658..5735, 5659..5745, 5662..5742, 5799..6293, 5806..6279, 6359..6421		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o1.tc	Method	TBLASTX:Cress
Start	5280	End	6072
GI	none	Score	398
Exons	5280..5567, 5308..5571, 5653..5745, 5658..5735, 5799..6071, 5806..6072		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	5329	End	6427
GI	none	Score	353
Exons	5329..5451, 5349..5567, 5353..5571, 5524..5568, 5652..5741, 5658..5738, 5659..5745, 5659..5742, 5799..6293, 5806..6279, 6359..6427, 6362..6427		
Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o3.tc	Method	TBLASTX:Cress
Start	6079	End	6427
GI	none	Score	316
Exons	6079..6279, 6084..6293, 6359..6427, 6362..6424		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o2.tc	Method	TBLASTX:Cress
Start	6907	End	9662
GI	none	Score	147
Exons	6907..7047, 6908..7054, 7048..7278, 7061..7279, 7738..7869, 7747..7869, 9573..9662, 9575..9661		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o3.tm	Method	TBLASTX:Maize
Start	6907	End	9670
GI	none	Score	169
Exons	6907..7053, 6908..7054, 7051..7278, 7058..7279, 7732..7869, 7733..7837, 7746..7868, 7747..7869, 9570..9662, 9573..9665, 9575..9670		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o2.ts	Method	TBLASTX:Soybean
Start	6907	End	9658
GI	none	Score	149
Exons	6907..7059, 6908..7072, 7046..7279, 7051..7278, 7738..7869, 7745..7822, 7747..7869, 9570..9641, 9573..9656, 9575..9658		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o1.tw	Method	TBLASTX:Wheat
Start	6916	End	9664
GI	none	Score	136
Exons	6916..7053, 6917..7054, 7009..7158, 7058..7159, 7156..7278, 7157..7279, 7732..7869, 7746..7868, 7747..7869, 9570..9662, 9573..9656, 9574..9663, 9575..9664		

Seq. No.	44243	Seq. ID	OJ000210_23.0322.C2
Gene No.	93208	Strand	-
Start	9582	End	9748
Name	OJ000210_23.0322.C2.o5.gp	Method	AAT/GAP
Start	9582	End	9748
GI	LIB3434-021-P1-K1-F8	Score	300
Exons	9582..9748		
GI Descrip.	'2160318/dbj|D38012|RICRPL9 1.0e-98 Rice mRNA for ribosomal protein L9, partial sequence'		

Seq. No.	44244	Seq. ID	OJ000210_23.0322.C3
Gene No.	93209	Strand	+
Start	21	End	721
Name	OJ000210_23.0322.C3.o1.gs	Method	GENSCAN
Start	21	End	671
GI	none	Score	.65
Exons	21..30, 563..671		

Seq. No.	44244	Seq. ID	OJ000210_23.0322.C3

Gene No.	93209	Strand	+
Start	21	End	721
Name	OJ000210_23.0322.C3.o1.gp	Method	AAT/GAP
Start	365	End	721
GI	uC-osflcyp024d12b1	Score	585
Exons	365..721		
GI Descrip.	'6069663/dbj|BAA85439.1| 2.0e-32 (AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]'		

Seq. No.	44244	Seq. ID	OJ000210_23.0322.C3
Gene No.	93209	Strand	+
Start	21	End	721
Name	OJ000210_23.0322.C3.o1.np	Method	AAT/NAP
Start	482	End	721
GI	6069663	Score	154
Exons	482..721		
GI Descrip.	(AP000616) ESTs C72127(E1041),AU078646(E1041) correspond to a region of the predicted gene.; similar to Arabidopsis thaliana BAC F3D13; similar to Medicago truncatula MtN2 (AF069300) [Oryza sativa]		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93210	Strand	+
Start	1	End	2564
Name	OJ000210_23.0322.C5.o1.np	Method	AAT/NAP
Start	1	End	784
GI	6069664	Score	425
Exons	1..277, 377..528, 643..784		
GI Descrip.	(AP000616) ESTs AU055729(S20023),AU055730(S20023) correspond to a region of the predicted gene.; similar to Medicago nodulin N21-like protein (AC004218) [Oryza sativa]		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93210	Strand	+
Start	1	End	2564
Name	OJ000210_23.0322.C5.o2.np	Method	AAT/NAP
Start	1	End	2564
GI	6069646	Score	847
Exons	1..21, 1756..2564		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93210	Strand	+
Start	1	End	2564
Name	OJ000210_23.0322.C5.o1.gs	Method	GENSCAN
Start	29	End	2227
GI	none	Score	.48
Exons	29..277, 377..528, 1597..1885, 2144..2227		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93211	Strand	+

Start	3828	End	4394
Name	OJ000210_23.0322.C5.o1.gp	Method	AAT/GAP
Start	3575	End	4179
GI	none	Score	1197
Exons	3575..4179		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93211	Strand	+
Start	3828	End	4394
Name	OJ000210_23.0322.C5.o2.gs	Method	GENSCAN
Start	3828	End	4394
GI	none	Score	.78
Exons	3828..4394		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93212	Strand	+
Start	6893	End	7438
Name	OJ000210_23.0322.C5.o4.gs	Method	GENSCAN
Start	6893	End	7438
GI	none	Score	.94
Exons	6893..7438		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93213	Strand	+
Start	8749	End	9219
Name	OJ000210_23.0322.C5.o5.gs	Method	GENSCAN
Start	8749	End	9219
GI	none	Score	1
Exons	8749..9219		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93214	Strand	+
Start	9429	End	9764
Name	OJ000210_23.0322.C5.o2.gp	Method	AAT/GAP
Start	9429	End	9764
GI	none	Score	502
Exons	9429..9764		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93215	Strand	-
Start	4707	End	6179
Name	OJ000210_23.0322.C5.o3.gs	Method	GENSCAN
Start	4707	End	6179
GI	none	Score	.61
Exons	4707..4733, 5772..6179		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o4.tm	Method	TBLASTX:Maize
Start	47	End	412
GI	none	Score	211
Exons	47..274, 49..267, 376..405, 377..412		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123

Name	OJ000210_23.0322.C5.o3.tm	Method	TBLASTX:Maize
Start	1985	End	2537
GI	none	Score	154
Exons	1985..2218, 2110..2217, 2204..2332, 2205..2333, 2391..2522, 2391..2537		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	3902	End	7381
GI	none	Score	229
Exons	3902..4093, 3903..4094, 4148..4390, 4155..4382, 7187..7381		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o6.gs	Method	GENSCAN
Start	9449	End	12120
GI	none	Score	.81
Exons	9449..9549, 9843..9969, 10249..10341, 10377..10523, 10629..10733, 10851..10922, 11026..11103, 11297..11466, 11541..11775, 11878..12120		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o3.np	Method	AAT/NAP
Start	9832	End	12120
GI	7248401	Score	1493
Exons	9832..9969, 10249..10341, 10431..10523, 10629..10733, 10851..10922, 11026..11103, 11297..11466, 11541..11775, 11878..12120		
GI Descrip.	(AP001389) ESTs C99033(E4350),C99032(E4350),D46006(S10372), D47177(S12347),C28582(C61678),C27203(C51329) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; 60 KD Chaperonin Beta subuni>		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	9842	End	12123
GI	none	Score	111
Exons	9842..9868, 9868..9972, 9869..9970, 10237..10344, 10247..10342, 10247..10384, 10428..10526, 10429..10524, 10609..10698, 10614..10766, 10623..10697, 10660..10734, 10850..10900, 10851..10931, 11019..11108, 11023..11109, 11295..11471, 11297..11479, 11298..11468, 11533..11778, 11540..11776, 11569..11778, 11870..12079, 11875..12123		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	9865	End	12123

GI	none	Score	126
Exons	9865..9972, 9875..9970, 10237..10344, 10248..10343, 10426..10524, 10428..10526, 10429..10527, 10614..10697, 10615..10698, 10627..10734, 10629..10766, 10850..10933, 10851..10931, 11023..11109, 11025..11108, 11296..11355, 11297..11476, 11298..11477, 11533..11778, 11540..11770, 11569..11778, 11873..12079, 11874..12032, 11875..12123, 11878..12123		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o2.tw	Method	TBLASTX:Wheat
Start	9865	End	10530
GI	none	Score	125
Exons	9865..9972, 9866..9970, 9880..9972, 10237..10344, 10247..10342, 10426..10530, 10428..10520		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o2.tc	Method	TBLASTX:Cress
Start	9910	End	11596
GI	none	Score	92
Exons	9910..9972, 9911..9970, 10237..10344, 10247..10342, 10428..10526, 10429..10524, 10429..10527, 10614..10697, 10615..10698, 10615..10734, 10623..10766, 10851..10931, 11023..11109, 11297..11479, 11298..11465, 11533..11595, 11543..11596		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o3.gp	Method	AAT/GAP
Start	10247	End	11076
GI	58287_1.R1084	Score	602
Exons	10247..10341, 10431..10523, 10629..10733, 10851..10922, 11026..11076		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 2.0e-37 RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_ (Z68903) chaperonin [Secale cereale]'		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	10869	End	11584
GI	none	Score	205
Exons	10869..10931, 10871..10933, 11023..11109, 11295..11468, 11297..11479, 11298..11477, 11533..11583, 11540..11584		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o3.tw	Method	TBLASTX:Wheat
Start	11585	End	11949

GI	none	Score	83
Exons	11585..11764, 11587..11775, 11887..11949		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	11599	End	12123
GI	none	Score	210
Exons	11599..11778, 11600..11776, 11874..12014, 11875..12123, 11879..12079, 12060..12122		

Seq. No.	44245	Seq. ID	OJ000210_23.0322.C5
Gene No.	93216	Strand	-
Start	9449	End	12123
Name	OJ000210_23.0322.C5.o4.gp	Method	AAT/GAP
Start	11657	End	12122
GI	23649_1.R1084	Score	634
Exons	11657..11775, 11878..12122		
GI Descrip.	'2493650/sp|Q43831|RUBB_SECCE 1.0e-81 RUBISCO SUBUNIT BINDING-PROTEIN BETA SUBUNIT (60 KD CHAPERONIN BETA SUBUNIT) (CPN-60 BETA) >gi_1167858_emb_CAA93139_ (Z68903) chaperonin [Secale cereale]'		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o3.ts	Method	TBLASTX:Soybean
Start	17	End	167
GI	none	Score	124
Exons	17..163, 18..167		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	27	End	1219
GI	none	Score	266
Exons	27..248, 29..253, 29..178, 55..246, 352..552, 356..583, 358..570, 416..583, 1044..1073, 1157..1219, 1174..1218		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o1.np	Method	AAT/NAP
Start	29	End	2523
GI	7487060	Score	763
Exons	29..246, 372..552, 1044..1067, 1177..1391, 2396..2523		
GI Descrip.	hypothetical protein T16B24.23 - Arabidopsis thaliana (fragment)		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	29	End	248
GI	none	Score	115
Exons	29..178, 69..248		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o1.gs	Method	GENSCAN
Start	94	End	2480
GI	none	Score	.55
Exons	94..246, 1044..1391, 2396..2480		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o2.ts	Method	TBLASTX:Soybean
Start	352	End	562
GI	none	Score	108
Exons	352..552, 416..562		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	1157	End	1390
GI	none	Score	52
Exons	1157..1228, 1174..1386, 1286..1390		

Seq. No.	44246	Seq. ID	OJ000210_23.0322.C6
Gene No.	93217	Strand	-
Start	29	End	2523
Name	OJ000210_23.0322.C6.o2.tm	Method	TBLASTX:Maize
Start	1220	End	1375
GI	none	Score	97
Exons	1220..1339, 1222..1338, 1222..1341, 1224..1340, 1224..1343, 1336..1374, 1340..1375, 1346..1375		

Seq. No.	44247	Seq. ID	OJ000210_23.0322.C7
Gene No.	93218	Strand	-
Start	1	End	1334
Name	OJ000210_23.0322.C7.o1.gp	Method	AAT/GAP
Start	1	End	645
GI	uC-osflcyp013g01b1	Score	752
Exons	1..135, 385..645		
GI Descrip.	'3402690 1.0e-12 (AC004697) hypothetical protein, 3'' partial [Arabidopsis thaliana]'		

Seq. No.	44247	Seq. ID	OJ000210_23.0322.C7
Gene No.	93218	Strand	-
Start	1	End	1334
Name	OJ000210_23.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	140
GI	none	Score	158
Exons	1..138, 3..137, 9..140, 38..139		

Seq. No.	44247	Seq. ID	OJ000210_23.0322.C7
Gene No.	93218	Strand	-
Start	1	End	1334
Name	OJ000210_23.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	572

GI	7487060	Score	122
Exons	1..135, 385..572		
GI Descrip.	hypothetical protein T16B24.23 - Arabidopsis thaliana (fragment)		

Seq. No.	44247	Seq. ID	OJ000210_23.0322.C7
Gene No.	93218	Strand	-
Start	1	End	1334
Name	OJ000210_23.0322.C7.o1.gs	Method	GENSCAN
Start	385	End	1180
GI	none	Score	.82
Exons	385..677, 1145..1180		

Seq. No.	44247	Seq. ID	OJ000210_23.0322.C7
Gene No.	93218	Strand	-
Start	1	End	1334
Name	OJ000210_23.0322.C7.o2.np	Method	AAT/NAP
Start	1034	End	1334
GI	6815099	Score	71
Exons	1034..1145, 1311..1334		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44248	Seq. ID	OJ000210_23.0322.C8
Gene No.	93219	Strand	+
Start	539	End	997
Name	OJ000210_23.0322.C8.o1.gs	Method	GENSCAN
Start	539	End	997
GI	none	Score	.79
Exons	539..997		

Seq. No.	44248	Seq. ID	OJ000210_23.0322.C8
Gene No.	93220	Strand	+
Start	1416	End	3050
Name	OJ000210_23.0322.C8.o2.gs	Method	GENSCAN
Start	1416	End	3050
GI	none	Score	.82
Exons	1416..1562, 1671..1764, 1836..1903, 2184..2282, 2577..2633, 2982..3050		

Seq. No.	44249	Seq. ID	OJ000210_23.0322.C9
Gene No.	93221	Strand	-
Start	23	End	75
Name	OJ000210_23.0322.C9.o1.gs	Method	GENSCAN
Start	23	End	75
GI	none	Score	.91
Exons	23..75		

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o1.np	Method	AAT/NAP
Start	1	End	3870
GI	7485882	Score	1506
Exons	1..587, 884..1005, 1179..1475, 2195..2382, 2470..2637, 2725..2841, 2966..3076, 3619..3870		
GI Descrip.	hypothetical protein F20M13.170 - Arabidopsis thaliana gi|4467148|emb|CAB37517.1| (AL035540) putative protein [Arabidopsis thaliana] gi|7270844|emb|CAB80525.1| (AL161593)		

putative protein [Arabidopsis thaliana]

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	2	End	199
GI	none	Score	181
Exons	2..199, 4..198		

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o1.gs	Method	GENSCAN
Start	96	End	3756
GI	none	Score	.75
Exons	96..521, 1238..1418, 2221..2382, 2470..2637, 2725..2841, 2966..3076, 3619..3756		

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o2.ts	Method	TBLASTX:Soybean
Start	525	End	2313
GI	none	Score	137
Exons	525..563, 698..751, 755..817, 878..1003, 884..1018, 886..1017, 1176..1292, 1294..1428, 1350..1427, 2206..2313, 2222..2311		

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o1.ts	Method	TBLASTX:Soybean
Start	2359	End	2644
GI	none	Score	131
Exons	2359..2388, 2470..2514, 2500..2640, 2501..2638, 2501..2644, 2536..2640		

Seq. No.	44250	Seq. ID	OJ000210_23.0322.C12
Gene No.	93222	Strand	-
Start	1	End	3870
Name	OJ000210_23.0322.C12.o1.tc	Method	TBLASTX:Cress
Start	2500	End	3078
GI	none	Score	108
Exons	2500..2640, 2501..2641, 2722..2841, 2723..2866, 2723..2863, 2966..3073, 2967..3077, 2968..3078		

Seq. No.	44251	Seq. ID	OJ000210_23.0322.C13
Gene No.	93223	Strand	+
Start	165	End	380
Name	OJ000210_23.0322.C13.o1.gs	Method	GENSCAN
Start	165	End	380
GI	none	Score	.5
Exons	165..380		

Seq. No.	44251	Seq. ID	OJ000210_23.0322.C13
Gene No.	93224	Strand	-
Start	1565	End	3227

Name	OJ000210_23.0322.C13.o2.gs	Method	GENSCAN
Start	1565	End	3227
GI	none	Score	.74
Exons	1565..1684, 2084..2156, 2279..2399, 2810..2879, 3129..3227		

Seq. No.	44252	Seq. ID	OJ000210_23.0322.C14
Gene No.	93225	Strand	+
Start	1	End	921
Name	OJ000210_23.0322.C14.o2.np	Method	AAT/NAP
Start	1	End	921
GI	7106516	Score	123
Exons	1..46, 813..921		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44252	Seq. ID	OJ000210_23.0322.C14
Gene No.	93226	Strand	-
Start	1	End	223
Name	OJ000210_23.0322.C14.o1.np	Method	AAT/NAP
Start	1	End	193
GI	7340868	Score	224
Exons	1..193		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44252	Seq. ID	OJ000210_23.0322.C14
Gene No.	93226	Strand	-
Start	1	End	223
Name	OJ000210_23.0322.C14.o1.gs	Method	GENSCAN
Start	79	End	223
GI	none	Score	.43
Exons	79..223		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93227	Strand	+
Start	685	End	2105
Name	OJ000210_23.0322.C15.o1.np	Method	AAT/NAP
Start	685	End	2102
GI	4581107	Score	428
Exons	685..752, 783..871, 1144..1710, 1767..2102		
GI Descrip.	(AC005825) unknown protein [Arabidopsis thaliana]		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93227	Strand	+
Start	685	End	2105
Name	OJ000210_23.0322.C15.o1.gs	Method	GENSCAN
Start	688	End	2105
GI	none	Score	.93
Exons	688..871, 1144..1664, 1710..2105		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93228	Strand	+
Start	4035	End	5249
Name	OJ000210_23.0322.C15.o3.gs	Method	GENSCAN
Start	4035	End	5249
GI	none	Score	.84
Exons	4035..4077, 4293..4493, 4547..4841, 4850..5030, 5157..5249		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15

Gene No.	93229	Strand	+
Start	7118	End	11421
Name	OJ000210_23.0322.C15.o4.gs	Method	GENSCAN
Start	7118	End	11421
GI	none	Score	.9
Exons	7118..7306, 7784..7807, 9734..10130, 10223..10316, 10410..11421		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93229	Strand	+
Start	7118	End	11421
Name	OJ000210_23.0322.C15.o5.np	Method	AAT/NAP
Start	9803	End	11418
GI	3970652	Score	1645
Exons	9803..10130, 10223..10316, 10410..11418		
GI Descrip.	(X77499) amino acid permease [Arabidopsis thaliana]		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93230	Strand	+
Start	14521	End	16973
Name	OJ000210_23.0322.C15.o2.gp	Method	AAT/GAP
Start	14521	End	16973
GI	15625_1.R1084	Score	1474
Exons	14521..14759, 14896..14994, 15245..15318, 15716..15786, 15904..15957, 16682..16973		
GI Descrip.	'2129628/pir||S58275 2.0e-21 ketoconazole resistent protein - Arabidopsis thaliana >gi_928938_emb_CAA61433_ (X89036) ketoconazole resistent protein [Arabidopsis thaliana]'		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93231	Strand	+
Start	20549	End	26514
Name	OJ000210_23.0322.C15.o7.gs	Method	GENSCAN
Start	20549	End	26514
GI	none	Score	.82
Exons	20549..20787, 20888..20983, 23356..23455, 23802..23973, 25101..25220, 25383..25402, 25535..25658, 26423..26514		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93231	Strand	+
Start	20549	End	26514
Name	OJ000210_23.0322.C15.o4.gp	Method	AAT/GAP
Start	22855	End	23422
GI	none	Score	1071
Exons	22855..23422		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93232	Strand	-
Start	2658	End	3542
Name	OJ000210_23.0322.C15.o2.gs	Method	GENSCAN
Start	2658	End	3542
GI	none	Score	1
Exons	2658..3542		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93232	Strand	-
Start	2658	End	3542
Name	OJ000210_23.0322.C15.o3.np	Method	AAT/NAP

Start	2661	End	3180
GI	7406397	Score	378
Exons	2661..2739, 2788..3180		
GI Descrip.	(AL162873) putative protein [Arabidopsis thaliana]		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93233	Strand	-
Start	10877	End	15882
Name	OJ000210_23.0322.C15.o6.np	Method	AAT/NAP
Start	10877	End	15882
GI	4529889	Score	58
Exons	10877..10923, 11295..11389, 14539..14658, 15855..15882		
GI Descrip.	(AF134726) G9A [Homo sapiens]		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93233	Strand	-
Start	10877	End	15882
Name	OJ000210_23.0322.C15.o1.gp	Method	AAT/GAP
Start	12109	End	12172
GI	LIB3477-003-P1-K1-E9	Score	85
Exons	12109..12172		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93233	Strand	-
Start	10877	End	15882
Name	OJ000210_23.0322.C15.o5.gs	Method	GENSCAN
Start	13209	End	15677
GI	none	Score	.54
Exons	13209..13436, 13464..13643, 13760..13838, 14539..14616, 15598..15677		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93234	Strand	-
Start	17596	End	19984
Name	OJ000210_23.0322.C15.o3.gp	Method	AAT/GAP
Start	17349	End	18074
GI	44247_1.R1084	Score	719
Exons	17349..17503, 17626..17685, 17769..17870, 17965..18074		
GI Descrip.	'5042423/gb|AAD38262.1|AC006193_18 2.0e-20 (AC006193) Hypothetical Protein [Arabidopsis thaliana]'		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93234	Strand	-
Start	17596	End	19984
Name	OJ000210_23.0322.C15.o6.gs	Method	GENSCAN
Start	17596	End	19984
GI	none	Score	.94
Exons	17596..17685, 17965..18060, 18515..18622, 18715..18765, 18884..19984		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o9.ts	Method	TBLASTX:Soybean

Start	2664	End	3158
GI	none	Score	63
Exons	2664..2720, 2787..2831, 2934..2975, 3018..3158, 3019..3144		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o1.ts	Method	TBLASTX:Soybean
Start	9877	End	11430
GI	none	Score	306
Exons	9877..10131, 9878..10132, 10221..10328, 10222..10326, 10410..10586, 10411..10587, 10678..11073, 10683..11045, 11101..11301, 11112..11390, 11383..11430		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o1.tc	Method	TBLASTX:Cress
Start	9878	End	11427
GI	none	Score	356
Exons	9878..10132, 9892..10131, 10221..10316, 10222..10326, 10407..10682, 10411..10683, 10692..11054, 10693..11073, 11107..11304, 11118..11408, 11383..11427		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o3.tm	Method	TBLASTX:Maize
Start	9889	End	10542
GI	none	Score	340
Exons	9889..10131, 9890..10132, 10221..10328, 10222..10341, 10405..10542, 10431..10538		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o2.tm	Method	TBLASTX:Maize
Start	10542	End	11375
GI	none	Score	71
Exons	10542..10574, 10546..10659, 10695..11027, 10696..11073, 10957..11049, 11110..11304, 11136..11375		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o3.tw	Method	TBLASTX:Wheat
Start	10924	End	11292
GI	none	Score	212
Exons	10924..11073, 10929..11054, 10957..11055, 11101..11292, 11115..11264		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	17373	End	19699
GI	none	Score	124

Exons	17373..17504, 17447..17503, 17623..17706, 17627..17686, 17766..17873, 17770..17883, 17961..18056, 17962..18057, 17962..18063, 18509..18628, 18510..18623, 18518..18625, 18715..18765, 18715..18768, 18716..18766, 18872..19051, 18873..18989, 18874..19407, 19103..19411, 19104..19430, 19490..19630, 19491..19568, 19564..19608, 19667..19699		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o8.ts	Method	TBLASTX:Soybean
Start	17659	End	18928
GI	5126371	Score	67
Exons	17659..17688, 17766..17828, 17767..17829, 17829..17873, 17962..18063, 17964..18062, 17965..18063, 18509..18628, 18540..18623, 18715..18768, 18716..18766, 18866..18928		
GI Descrip.	2500408/sp_P56012_RS5_HELPY 4.0e-21 30S RIBOSOMAL PROTEIN S5 >gi_2314466_gb_AAD08343.1_ (AE000633) ribosomal protein S5 (rps5) [Helicobacter pylori 26695] >gi_4155832 (AE001547) 30S RIBOSOMAL PROTEIN S5 [Helicobacter pylori J99]		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o4.tc	Method	TBLASTX:Cress
Start	18548	End	19051
GI	none	Score	74
Exons	18548..18628, 18715..18768, 18866..18979, 18959..19051		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o5.tc	Method	TBLASTX:Cress
Start	23372	End	24676
GI	none	Score	90
Exons	23372..23458, 23793..23972, 23811..23918, 23816..23977, 24529..24675, 24530..24676		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o7.ts	Method	TBLASTX:Soybean
Start	23820	End	24738
GI	none	Score	214
Exons	23820..23972, 23825..23977, 23826..23972, 24529..24669, 24530..24676, 24552..24683, 24673..24738		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o5.tm	Method	TBLASTX:Maize
Start	24528	End	24741
GI	none	Score	299
Exons	24528..24719, 24529..24741, 24530..24694		
Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-

Start	27207	End	32243
Name	OJ000210_23.0322.C15.o4.tm	Method	TBLASTX:Maize
Start	25517	End	27792
GI	none	Score	80
Exons	25517..25585, 27290..27349, 27311..27334, 27425..27544, 27426..27545, 27444..27545, 27626..27772, 27626..27700, 27628..27792, 27628..27789, 27684..27791		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o8.gs	Method	GENSCAN
Start	27207	End	31852
GI	none	Score	.7
Exons	27207..27236, 27292..27348, 27425..27544, 27628..27793, 28462..28509, 28598..28681, 29844..30631, 30952..31852		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o2.ts	Method	TBLASTX:Soybean
Start	27293	End	27795
GI	none	Score	144
Exons	27293..27328, 27425..27544, 27426..27545, 27437..27547, 27626..27772, 27626..27694, 27628..27786, 27628..27795		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o2.tc	Method	TBLASTX:Cress
Start	27423	End	27795
GI	none	Score	140
Exons	27423..27536, 27425..27544, 27426..27545, 27434..27547, 27626..27772, 27626..27673, 27628..27795, 27628..27792		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o5.tw	Method	TBLASTX:Wheat
Start	27500	End	27792
GI	none	Score	67
Exons	27500..27544, 27501..27545, 27507..27545, 27626..27772, 27628..27792, 27628..27789, 27687..27791		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o7.np	Method	AAT/NAP
Start	29843	End	32243
GI	6539553	Score	4092
Exons	29843..32243		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15

Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23:0322.C15.o2.tw	Method	TBLASTX:Wheat
Start	29979	End	30455
GI	none	Score	374
Exons	29979..30365, 29981..30364, 30058..30366, 30380..30454, 30384..30455		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o6.ts	Method	TBLASTX:Soybean
Start	30107	End	30448
GI	none	Score	79
Exons	30107..30316, 30186..30311, 30335..30448, 30342..30422		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o7.tm	Method	TBLASTX:Maize
Start	30311	End	30650
GI	none	Score	186
Exons	30311..30649, 30312..30650		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o4.ts	Method	TBLASTX:Soybean
Start	30461	End	30806
GI	none	Score	133
Exons	30461..30805, 30606..30806		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o4.tw	Method	TBLASTX:Wheat
Start	30659	End	31203
GI	none	Score	69
Exons	30659..30865, 30860..30946, 30943..31056, 30946..31203		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o6.tm	Method	TBLASTX:Maize
Start	30758	End	31203
GI	none	Score	233
Exons	30758..30946, 30946..31203		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o3.ts	Method	TBLASTX:Soybean
Start	30875	End	31338
GI	5509260	Score	53
Exons	30875..30946, 30894..30944, 30976..31338, 31025..31120, 31169..31237		
GI Descrip.	-		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o3.tc	Method	TBLASTX:Cress
Start	30985	End	31245
GI	none	Score	286
Exons	30985..31245		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o1.tw	Method	TBLASTX:Wheat
Start	31258	End	32013
GI	none	Score	200
Exons	31258..31497, 31259..31417, 31526..32005, 31549..32013	31275..31505, 31278..31475,	

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o5.ts	Method	TBLASTX:Soybean
Start	31663	End	32061
GI	none	Score	38
Exons	31663..31836, 31790..31828, 31837..32061, 31883..32053		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o8.tm	Method	TBLASTX:Maize
Start	31663	End	32157
GI	none	Score	67
Exons	31663..31830, 31849..32157, 31873..32028, 31883..32074		

Seq. No.	44253	Seq. ID	OJ000210_23.0322.C15
Gene No.	93235	Strand	-
Start	27207	End	32243
Name	OJ000210_23.0322.C15.o6.tw	Method	TBLASTX:Wheat
Start	32014	End	32205
GI	none	Score	180
Exons	32014..32205, 32014..32205		

Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93236	Strand	+
Start	4297	End	5924
Name	OJ000210_23.0322.C16.o2.np	Method	AAT/NAP
Start	4297	End	5924
GI	7487130	Score	333
Exons	4297..4434, 5390..5464, 5609..5662, 5751..5924		
GI Descrip.	hypothetical protein T18B16.10 - Arabidopsis thaliana		

Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93237	Strand	-
Start	1	End	1314
Name	OJ000210_23.0322.C16.o1.np	Method	AAT/NAP
Start	1	End	1314
GI	6539553	Score	2278

Exons	1..1314		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93238	Strand	-
Start	4054	End	5620
Name	OJ000210_23.0322.C16.o1.tm	Method	TBLASTX:Maize
Start	51	End	373
GI	none	Score	395
Exons	51..218, 52..366, 53..346, 119..373		
Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93238	Strand	-
Start	4054	End	5620
Name	OJ000210_23.0322.C16.o2.tm	Method	TBLASTX:Maize
Start	872	End	1185
GI	none	Score	297
Exons	872..1177, 874..1185		
Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93238	Strand	-
Start	4054	End	5620
Name	OJ000210_23.0322.C16.o1.tw	Method	TBLASTX:Wheat
Start	933	End	1320
GI	none	Score	258
Exons	933..1196, 934..1320, 935..1309		
Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93238	Strand	-
Start	4054	End	5620
Name	OJ000210_23.0322.C16.o2.gs	Method	GENSCAN
Start	4054	End	5620
GI	none	Score	.48
Exons	4054..4406, 5503..5620		
Seq. No.	44254	Seq. ID	OJ000210_23.0322.C16
Gene No.	93238	Strand	-
Start	4054	End	5620
Name	OJ000210_23.0322.C16.o3.tm	Method	TBLASTX:Maize
Start	4306	End	4458
GI	none	Score	201
Exons	4306..4458, 4314..4436		
Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93239	Strand	+
Start	1	End	3435
Name	OJ000210_23.0322.C17.o1.np	Method	AAT/NAP
Start	1	End	3354
GI	7485424	Score	1199
Exons	1..236, 489..545, 648..748, 850..945, 1126..1190, 1500..1655, 1758..1993, 2167..2430, 2485..2586, 2690..2734, 2835..2975, 3154..3354		
GI Descrip.	hypothetical protein F13C5.210 - Arabidopsis thaliana gi|2832632|emb|CAA16761.1| (AL021711) hypothetical protein		

[Arabidopsis thaliana] gi|7268699|emb|CAB78906.1| (AL161550) hypothetical protein [Arabidopsis thaliana]

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93239	Strand	+
Start	1	End	3435
Name	OJ000210_23.0322.C17.o1.gs	Method	GENSCAN
Start	2	End	3435
GI	none	Score	.72
Exons	2..57, 158..293, 303..545, 648..748, 1085..1125, 1290..1340, 1758..1993, 2095..2125, 2241..2386, 2485..2586, 2690..2734, 2835..2975, 3058..3435		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93239	Strand	+
Start	1	End	3435
Name	OJ000210_23.0322.C17.o1.gp	Method	AAT/GAP
Start	1134	End	2019
GI	uC-osf1M202047b11b1	Score	957
Exons	1134..1190, 1269..1340, 1500..1655, 1758..2019		
GI Descrip.	'2832632/emb|CAA16761.1| 1.0e-33 (AL021711) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93239	Strand	+
Start	1	End	3435
Name	OJ000210_23.0322.C17.o2.gp	Method	AAT/GAP
Start	2276	End	3083
GI	LIB3432-059-P1-K1-G4	Score	688
Exons	2276..2386, 2485..2586, 2690..2734, 2835..2975, 3058..3083		
GI Descrip.	'2832632/emb|CAA16761.1| 3.0e-43 (AL021711) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93240	Strand	+
Start	3832	End	5586
Name	OJ000210_23.0322.C17.o2.gs	Method	GENSCAN
Start	3832	End	5586
GI	none	Score	.7
Exons	3832..3892, 3941..4531, 4601..4704, 4728..4855, 4915..4966, 5545..5586		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	547
GI	none	Score	77
Exons	1..57, 2..58, 129..215, 157..216, 157..213, 159..215, 301..420, 302..421, 316..429, 504..545, 512..547		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o4.tm	Method	TBLASTX:Maize
Start	838	End	1549
GI	none	Score	189

Exons	838..945, 845..946, 849..950, 850..951, 1125..1187, 1127..1186, 1277..1342, 1279..1341, 1491..1544, 1498..1545, 1501..1548, 1502..1549		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o2.ts	Method	TBLASTX:Soybean
Start	1151	End	1873
GI	none	Score	75
Exons	1151..1189, 1267..1341, 1268..1342, 1498..1653, 1501..1656, 1502..1657, 1724..1873, 1756..1836		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o3.tm	Method	TBLASTX:Maize
Start	1588	End	2263
GI	none	Score	81
Exons	1588..1656, 1588..1656, 1589..1657, 1742..1861, 1756..1854, 1914..1994, 1915..1938, 1916..1999, 1922..2014, 2086..2106, 2240..2263		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o1.tm	Method	TBLASTX:Maize
Start	2362	End	3339
GI	none	Score	45
Exons	2362..2400, 2363..2395, 2476..2586, 2477..2578, 2482..2589, 2484..2600, 2657..2737, 2677..2745, 2681..2734, 2833..2901, 2835..2975, 2837..2974, 2896..2976, 3051..3293, 3052..3339		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o1.ts	Method	TBLASTX:Soybean
Start	2500	End	3342
GI	none	Score	103
Exons	2500..2589, 2690..2737, 2817..2975, 3051..3146, 3051..3293, 3052..3342		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o1.tc	Method	TBLASTX:Cress
Start	2835	End	3333
GI	none	Score	51
Exons	2835..2885, 2868..2975, 3055..3333, 3057..3293		

Seq. No.	44255	Seq. ID	OJ000210_23.0322.C17
Gene No.	93241	Strand	-
Start	3379	End	3739
Name	OJ000210_23.0322.C17.o3.gp	Method	AAT/GAP
Start	3379	End	3739
GI	none	Score	722
Exons	3379..3739		

Seq. No.	44256	Seq. ID	OJ000210_23.0322.C18
Gene No.	93242	Strand	-
Start	219	End	610
Name	OJ000210_23.0322.C18.o1.gs	Method	GENSCAN
Start	219	End	610
GI	none	Score	.66
Exons	219..356, 523..610		

Seq. No.	44257	Seq. ID	OJ000210_23.0322.C20
Gene No.	93243	Strand	+
Start	1	End	616
Name	OJ000210_23.0322.C20.o1.gp	Method	AAT/GAP
Start	1	End	474
GI	27750_1.R1084	Score	913
Exons	1..474		
GI Descrip.	'4467148/emb|CAB37517| 1.0e-15 (AL035540) putative protein [Arabidopsis thaliana]'		

Seq. No.	44257	Seq. ID	OJ000210_23.0322.C20
Gene No.	93243	Strand	+
Start	1	End	616
Name	OJ000210_23.0322.C20.o1.np	Method	AAT/NAP
Start	1	End	616
GI	7485882	Score	390
Exons	1..167, 219..616		
GI Descrip.	hypothetical protein F20M13.170 - Arabidopsis thaliana gi|4467148|emb|CAB37517.1| (AL035540) putative protein [Arabidopsis thaliana] gi|7270844|emb|CAB80525.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	44257	Seq. ID	OJ000210_23.0322.C20
Gene No.	93243	Strand	+
Start	1	End	616
Name	OJ000210_23.0322.C20.o1.ts	Method	TBLASTX:Soybean
Start	52	End	336
GI	none	Score	86
Exons	52..291, 106..282, 110..295, 295..336		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.np	Method	AAT/NAP
Start	1	End	1950
GI	7485881	Score	1530
Exons	1..97, 155..740, 768..964, 1061..1285, 1392..1496, 1587..1667, 1760..1950		
GI Descrip.	hypothetical protein F20M13.160 - Arabidopsis thaliana gi|4467147|emb|CAB37516.1| (AL035540) putative protein [Arabidopsis thaliana] gi|7270843|emb|CAB80524.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o3.tc	Method	TBLASTX:Cress
Start	1	End	280

GI	none	Score	348
Exons	1..276, 2..280, 2..277		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	646
GI	none	Score	934
Exons	1..645, 2..646, 2..646		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o2.ts	Method	TBLASTX:Soybean
Start	1	End	400
GI	none	Score	216
Exons	1..231, 2..184, 172..399, 191..397, 206..400		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.gs	Method	GENSCAN
Start	48	End	1828
GI	none	Score	.45
Exons	48..964, 1109..1291, 1392..1496, 1587..1667, 1760..1828		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.tw	Method	TBLASTX:Wheat
Start	94	End	482
GI	none	Score	570
Exons	94..480, 95..481, 95..481, 105..482		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o3.ts	Method	TBLASTX:Soybean
Start	407	End	652
GI	none	Score	328
Exons	407..652, 442..645		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.tc	Method	TBLASTX:Cress
Start	461	End	843
GI	none	Score	350
Exons	461..718, 463..696, 470..700, 773..838, 781..843		

Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o2.tm	Method	TBLASTX:Maize
Start	647	End	1949
GI	none	Score	285

Exons	647..976, 649..696, 766..966, 1058..1177, 1060..1158, 1186..1296, 1190..1297, 1389..1499, 1391..1498, 1462..1500, 1585..1665, 1585..1665, 1599..1667, 1757..1846, 1757..1828, 1913..1948, 1914..1949		
Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.ts	Method	TBLASTX:Soybean
Start	656	End	1946
GI	none	Score	40
Exons	656..703, 773..976, 777..1004, 781..951, 1052..1282, 1057..1296, 1391..1498, 1392..1499, 1395..1499, 1599..1667, 1744..1821, 1757..1831, 1910..1945, 1914..1946		
Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o1.gp	Method	AAT/GAP
Start	812	End	1950
GI	15600_1.R1084	Score	1187
Exons	812..964, 1061..1291, 1392..1496, 1587..1667, 1760..1828, 1908..1950		
GI Descrip.	'4467147/emb|CAB37516| 2.0e-84 (AL035540) putative protein [Arabidopsis thaliana]'		
Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o2.tc	Method	TBLASTX:Cress
Start	893	End	1499
GI	none	Score	109
Exons	893..976, 1058..1282, 1060..1281, 1391..1474, 1392..1475, 1473..1499		
Seq. No.	44258	Seq. ID	OJ000210_23.0322.C21
Gene No.	93244	Strand	+
Start	1	End	1950
Name	OJ000210_23.0322.C21.o2.tw	Method	TBLASTX:Wheat
Start	1436	End	1949
GI	none	Score	94
Exons	1436..1498, 1437..1499, 1585..1668, 1585..1668, 1751..1831, 1751..1828, 1904..1948, 1914..1949		
Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93245	Strand	+
Start	339	End	2522
Name	OJ000210_23.0322.C22.o1.np	Method	AAT/NAP
Start	339	End	2522
GI	7378764	Score	548
Exons	339..643, 2346..2522		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		
Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93246	Strand	+
Start	3174	End	6249
Name	OJ000210_23.0322.C22.o1.gp	Method	AAT/GAP

Start	3105	End	6249
GI	1462_1.R1084	Score	2887
Exons	3105..3296, 3386..3469, 3538..3678, 3761..3882, 3974..4055, 4175..4247, 4674..4765, 4877..4951, 5067..5252, 5454..5498, 5670..5784, 5874..6249		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93246	Strand	+
Start	3174	End	6249
Name	OJ000210_23.0322.C22.o2.gs	Method	GENSCAN
Start	3174	End	5964
GI	none	Score	.77
Exons	3174..3296, 3386..3455, 3533..3678, 4175..4247, 4674..4765, 4877..4951, 5067..5252, 5670..5803, 5874..5964		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93246	Strand	+
Start	3174	End	6249
Name	OJ000210_23.0322.C22.o2.np	Method	AAT/NAP
Start	3174	End	5792
GI	118564	Score	1418
Exons	3174..3296, 3386..3469, 3538..3678, 3761..3882, 3974..4055, 4175..4247, 4674..4765, 4877..4951, 5067..5252, 5454..5498, 5670..5792		
GI Descrip.	GLYCERATE DEHYDROGENASE (NADH-DEPENDENT HYDROXYPYRUVATE REDUCTASE) (HPR) (GDH) gi|65955|pir||DEKVG glycerate dehydrogenase (EC 1.1.1.29) - cucumber gi|18264|emb|CAA41434.1| (X58542) NADH-dependent hydroxypyruvate reductase [Cucumis sativus] gi|18275|emb|CAA32764.1| (X14609) NAPH-dependent hydroxypyruvate reductase (AA 1 - 382) [Cucumis sativus]		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93247	Strand	-
Start	4436	End	11213
Name	OJ000210_23.0322.C22.o3.np	Method	AAT/NAP
Start	4436	End	11213
GI	6721103	Score	793
Exons	4436..4491, 6577..7384, 7491..7662, 11147..11213		
GI Descrip.	(AC007396) T4O12.11 [Arabidopsis thaliana]		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93247	Strand	-
Start	4436	End	11213
Name	OJ000210_23.0322.C22.o3.gs	Method	GENSCAN
Start	6561	End	7740
GI	none	Score	.86
Exons	6561..7384, 7491..7740		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93247	Strand	-
Start	4436	End	11213
Name	OJ000210_23.0322.C22.o2.gp	Method	AAT/GAP
Start	7112	End	7536
GI	2442393	Score	537
Exons	7112..7384, 7491..7536		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93247	Strand	-
Start	4436	End	11213
Name	OJ000210_23.0322.C22.o4.gs	Method	GENSCAN
Start	9629	End	10884
GI	none	Score	.67
Exons	9629..9647, 10838..10884		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o3.tm	Method	TBLASTX:Maize
Start	345	End	2582
GI	none	Score	83
Exons	345..413, 366..416, 398..544, 414..548, 584..643, 593..652, 601..651, 2319..2372, 2332..2370, 2336..2392, 2336..2389, 2374..2427, 2375..2395, 2396..2518, 2399..2524, 2449..2529, 2562..2582		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o3.ts	Method	TBLASTX:Soybean
Start	345	End	2444
GI	none	Score	83
Exons	345..413, 366..416, 398..544, 414..548, 584..643, 592..645, 593..652, 601..651, 2336..2392, 2336..2389, 2397..2444, 2399..2443		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o4.tc	Method	TBLASTX:Cress
Start	369	End	2533
GI	none	Score	60
Exons	369..416, 410..544, 414..545, 593..652, 2337..2372, 2375..2395, 2397..2528, 2399..2533		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o1.tw	Method	TBLASTX:Wheat
Start	2396	End	2535
GI	none	Score	175
Exons	2396..2527, 2399..2527, 2409..2531, 2449..2535		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o1.tc	Method	TBLASTX:Cress
Start	3173	End	5786
GI	none	Score	180
Exons	3173..3295, 3174..3299, 3174..3299, 3380..3478, 3400..3465, 3401..3478, 3535..3678, 3537..3677, 3760..3876, 3761..3880, 3974..4057, 3975..4058, 4175..4246, 4177..4245, 4184..4249, 4672..4770, 4673..4768, 4876..4953, 4877..4951, 5064..5252,		

5066..5251, 5415..5498, 5453..5503, 5646..5786, 5687..5785

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o1.ts	Method	TBLASTX:Soybean
Start	3173	End	5788
GI	none	Score	191
Exons	3173..3295, 3174..3299, 3380..3478, 3385..3465, 3534..3677, 3535..3678, 3760..3876, 3761..3880, 3974..4057, 3975..4058, 3983..4060, 4175..4246, 4177..4245, 4672..4770, 4673..4768, 4876..4953, 4877..4951, 5045..5251, 5064..5252, 5064..5252, 5415..5498, 5453..5506, 5646..5786, 5687..5788		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o1.tm	Method	TBLASTX:Maize
Start	3186	End	5726
GI	none	Score	189
Exons	3186..3299, 3197..3295, 3380..3478, 3385..3465, 3534..3677, 3535..3678, 3760..3879, 3761..3880, 3820..3885, 3967..4035, 3974..4054, 3975..4058, 4175..4246, 4175..4246, 4673..4768, 4676..4765, 4678..4770, 4876..4953, 4877..4951, 4881..4967, 5049..5252, 5065..5250, 5066..5251, 5415..5498, 5646..5726		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o2.tm	Method	TBLASTX:Maize
Start	6564	End	7071
GI	none	Score	194
Exons	6564..6821, 6567..6845, 6580..6828, 6831..7031, 6841..7071		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o2.ts	Method	TBLASTX:Soybean
Start	6573	End	7641
GI	none	Score	34
Exons	6573..6683, 6616..6666, 6681..6827, 6691..6828, 6828..7079, 6913..7077, 7086..7310, 7087..7134, 7492..7641, 7493..7636		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o3.tc	Method	TBLASTX:Cress
Start	6576	End	6821
GI	none	Score	104
Exons	6576..6821, 6613..6813		

Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o2.tc	Method	TBLASTX:Cress
Start	6933	End	7642
GI	none	Score	49

Exons	6933..6968, 6946..6969, 6969..7310, 6970..7311, 7492..7641, 7496..7642		
Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o4.tm	Method	TBLASTX:Maize
Start	7089	End	7642
GI	none	Score	70
Exons	7089..7157, 7090..7152, 7164..7202, 7221..7310, 7228..7311, 7245..7313, 7486..7641, 7493..7642		
Seq. No.	44259	Seq. ID	OJ000210_23.0322.C22
Gene No.	93248	Strand	-
Start	12226	End	12690
Name	OJ000210_23.0322.C22.o5.gs	Method	GENSCAN
Start	12226	End	12690
GI	none	Score	.93
Exons	12226..12690		
Seq. No.	44260	Seq. ID	OJ000210_23.0322.C23
Gene No.	93249	Strand	+
Start	5756	End	6076
Name	OJ000210_23.0322.C23.o2.gs	Method	GENSCAN
Start	5756	End	6076
GI	none	Score	.61
Exons	5756..6076		
Seq. No.	44260	Seq. ID	OJ000210_23.0322.C23
Gene No.	93250	Strand	-
Start	1	End	1043
Name	OJ000210_23.0322.C23.o1.np	Method	AAT/NAP
Start	1	End	1043
GI	5042463	Score	69
Exons	1..44, 857..1043		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	44260	Seq. ID	OJ000210_23.0322.C23
Gene No.	93251	Strand	-
Start	1550	End	2886
Name	OJ000210_23.0322.C23.o1.gs	Method	GENSCAN
Start	1550	End	2886
GI	none	Score	.81
Exons	1550..1672, 1678..1761, 2686..2886		
Seq. No.	44260	Seq. ID	OJ000210_23.0322.C23
Gene No.	93252	Strand	-
Start	7298	End	7389
Name	OJ000210_23.0322.C23.o3.gs	Method	GENSCAN
Start	7298	End	7389
GI	none	Score	.74
Exons	7298..7389		
Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93253	Strand	-
Start	616	End	3689
Name	OJ000350_14.0314.C4.o1.np	Method	AAT/NAP

Start	616	End	3639
GI	7484899	Score	1506
Exons	616..942, 1436..1531, 1628..2143, 2189..2435, 2957..3109, 3395..3639		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93253	Strand	-
Start	616	End	3689
Name	OJ000350_14.0314.C4.o1.gp	Method	AAT/GAP
Start	3395	End	3689
GI	uC-osrocyp013b01b1	Score	496
Exons	3395..3689		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93254	Strand	-
Start	5046	End	6832
Name	OJ000350_14.0314.C4.o2.tm	Method	TBLASTX:Maize
Start	607	End	747
GI	none	Score	144
Exons	607..738, 616..747, 617..739		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93254	Strand	-
Start	5046	End	6832
Name	OJ000350_14.0314.C4.o1.ts	Method	TBLASTX:Soybean
Start	1505	End	1897
GI	none	Score	183
Exons	1505..1534, 1625..1897, 1626..1892		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93254	Strand	-
Start	5046	End	6832
Name	OJ000350_14.0314.C4.o1.tm	Method	TBLASTX:Maize
Start	1611	End	1846
GI	none	Score	199
Exons	1611..1835, 1626..1844, 1628..1846		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93254	Strand	-
Start	5046	End	6832
Name	OJ000350_14.0314.C4.o1.tc	Method	TBLASTX:Cress
Start	1838	End	2149
GI	none	Score	129
Exons	1838..1912, 1919..2149, 1920..2147		

Seq. No.	44261	Seq. ID	OJ000350_14.0314.C4
Gene No.	93254	Strand	-
Start	5046	End	6832
Name	OJ000350_14.0314.C4.o2.gs	Method	GENSCAN
Start	5046	End	6832
GI	none	Score	.5
Exons	5046..5215, 6293..6749, 6806..6832		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.gs	Method	GENSCAN
Start	776	End	2192
GI	none	Score	.44
Exons	776..1111, 1195..1244, 1352..2192		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o2.tm	Method	TBLASTX:Maize
Start	776	End	916
GI	none	Score	107
Exons	776..907, 777..911, 783..911, 785..916		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.np	Method	AAT/NAP
Start	785	End	3707
GI	7484899	Score	1196
Exons	785..1111, 1195..1290, 1407..1928, 1974..2227, 3683..3707		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.ts	Method	TBLASTX:Soybean
Start	1264	End	1676
GI	none	Score	64
Exons	1264..1293, 1407..1514, 1407..1676, 1408..1671		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.tm	Method	TBLASTX:Maize
Start	1403	End	1626
GI	none	Score	65
Exons	1403..1480, 1404..1523, 1404..1625, 1405..1626		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.tc	Method	TBLASTX:Cress
Start	1641	End	1934
GI	none	Score	128
Exons	1641..1676, 1704..1934, 1750..1926		

Seq. No.	44262	Seq. ID	OJ000350_14.0314.C5
Gene No.	93255	Strand	-
Start	776	End	3707
Name	OJ000350_14.0314.C5.o1.gp	Method	AAT/GAP
Start	3326	End	3417

GI	5867_1.R1084	Score	134
Exons	3326..3417		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93256	Strand	+
Start	1197	End	4315
Name	OJ000350_14.0314.C6.o2.gs	Method	GENSCAN
Start	1197	End	4315
GI	none	Score	.63
Exons	1197..1373, 1684..1808, 2365..2472, 2676..2877, 3778..3994, 4191..4315		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93256	Strand	+
Start	1197	End	4315
Name	OJ000350_14.0314.C6.o2.np	Method	AAT/NAP
Start	1302	End	4251
GI	4680186	Score	179
Exons	1302..1337, 2688..2917, 3471..3533, 4220..4251		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93257	Strand	+
Start	4705	End	6780
Name	OJ000350_14.0314.C6.o3.np	Method	AAT/NAP
Start	4705	End	6780
GI	6907086	Score	450
Exons	4705..5064, 5091..5501, 5561..5848, 6138..6313, 6581..6780		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93258	Strand	-
Start	431	End	947
Name	OJ000350_14.0314.C6.o1.gs	Method	GENSCAN
Start	431	End	922
GI	none	Score	.93
Exons	431..583, 696..922		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93258	Strand	-
Start	431	End	947
Name	OJ000350_14.0314.C6.o1.np	Method	AAT/NAP
Start	431	End	947
GI	7484899	Score	288
Exons	431..583, 696..947		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6

Gene No.	93258	Strand	-
Start	431	End	947
Name	OJ000350_14.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	481	End	884
GI	none	Score	144
Exons	481..585, 693..884, 695..823		

Seq. No.	44263	Seq. ID	OJ000350_14.0314.C6
Gene No.	93258	Strand	-
Start	431	End	947
Name	OJ000350_14.0314.C6.o1.tw	Method	TBLASTX:Wheat
Start	500	End	850
GI	none	Score	48
Exons	500..589, 520..558, 559..585, 657..836, 695..850, 695..823		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93259	Strand	+
Start	687	End	1285
Name	OJ000350_14.0314.C26.o1.gs	Method	GENSCAN
Start	687	End	1285
GI	none	Score	.76
Exons	687..1285		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93260	Strand	+
Start	17511	End	19417
Name	OJ000350_14.0314.C26.o2.np	Method	AAT/NAP
Start	17511	End	19417
GI	6907087	Score	875
Exons	17511..17879, 17931..18126, 18287..18777, 19316..19417		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93261	Strand	+
Start	19882	End	20263
Name	OJ000350_14.0314.C26.o2.gp	Method	AAT/GAP
Start	19882	End	20263
GI	uC-osf1cyp033a04b1	Score	671
Exons	19882..20263		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93262	Strand	-
Start	3279	End	8273
Name	OJ000350_14.0314.C26.o2.gs	Method	GENSCAN
Start	3279	End	4805
GI	none	Score	.73
Exons	3279..3611, 3852..4805		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93262	Strand	-
Start	3279	End	8273
Name	OJ000350_14.0314.C26.o1.np	Method	AAT/NAP
Start	3285	End	8273

GI	7484899	Score	1461
Exons	3285..3611, 3852..3947, 4023..4548, 4597..4833, 7772..7924, 8035..8273		
GI Descrip.	cytochrome P450 homolog T19L18.2 - Arabidopsis thaliana gi|3075400|gb|AAC14532.1| (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana]		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93262	Strand	-
Start	3279	End	8273
Name	OJ000350_14.0314.C26.o1.gp	Method	AAT/GAP
Start	4036	End	4415
GI	LIB3433-035-P1-K1-G11	Score	739
Exons	4036..4415		
GI Descrip.	'3075400 8.0e-20 (AC004484) putative thromboxane-A synthase [Arabidopsis thaliana] >gi_3413720 (AC004747) putative thromboxin-A synthase [Arabidopsis thaliana]'		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93262	Strand	-
Start	3279	End	8273
Name	OJ000350_14.0314.C26.o3.gs	Method	GENSCAN
Start	6057	End	8261
GI	none	Score	.66
Exons	6057..6132, 7772..7924, 8035..8261		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o1.ts	Method	TBLASTX:Soybean
Start	3921	End	4292
GI	none	Score	54
Exons	3921..3950, 4023..4292, 4036..4092, 4195..4287		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o2.tm	Method	TBLASTX:Maize
Start	3999	End	4244
GI	none	Score	104
Exons	3999..4241, 4014..4130, 4194..4244		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o1.tc	Method	TBLASTX:Cress
Start	4233	End	4544
GI	none	Score	67
Exons	4233..4322, 4314..4481, 4314..4544, 4336..4542		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o1.tm	Method	TBLASTX:Maize
Start	7822	End	8223
GI	none	Score	109
Exons	7822..7926, 8030..8176, 8034..8222, 8034..8222, 8035..8223		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o1.tw	Method	TBLASTX:Wheat
Start	7861	End	8175
GI	none	Score	43
Exons	7861..7899, 7862..7915, 7900..7926, 8034..8174, 8035..8175		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o5.gs	Method	GENSCAN
Start	19310	End	22701
GI	none	Score	.65
Exons	19310..19416, 19862..20013, 20112..20165, 21322..21460, 22542..22701		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o3.np	Method	AAT/NAP
Start	19810	End	21759
GI	4680186	Score	247
Exons	19810..20013, 21628..21759		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44264	Seq. ID	OJ000350_14.0314.C26
Gene No.	93263	Strand	-
Start	19310	End	22854
Name	OJ000350_14.0314.C26.o4.np	Method	AAT/NAP
Start	22028	End	22854
GI	5295955	Score	447
Exons	22028..22854		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93264	Strand	+
Start	2423	End	7000
Name	OJ000350_14.0314.C27.o2.np	Method	AAT/NAP
Start	2423	End	6997
GI	4680179	Score	6595
Exons	2423..6997		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93264	Strand	+
Start	2423	End	7000
Name	OJ000350_14.0314.C27.o1.gs	Method	GENSCAN
Start	2426	End	7000
GI	none	Score	.99
Exons	2426..7000		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065

Name	OJ000350_14.0314.C27.o1.np	Method	AAT/NAP
Start	1	End	4962
GI	5295955	Score	213
Exons	1..43, 696..810, 1350..1466, 2618..2769, 4939..4962		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o7.tw	Method	TBLASTX:Wheat
Start	2692	End	3055
GI	none	Score	298
Exons	2692..2796, 2696..3055, 2821..3054		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o7.tm	Method	TBLASTX:Maize
Start	2936	End	3232
GI	none	Score	199
Exons	2936..3232, 2953..3123		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o6.tm	Method	TBLASTX:Maize
Start	3578	End	3898
GI	none	Score	204
Exons	3578..3898		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o8.tw	Method	TBLASTX:Wheat
Start	3631	End	3985
GI	none	Score	258
Exons	3631..3771, 3632..3985, 3815..3949		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o4.tw	Method	TBLASTX:Wheat
Start	4156	End	4642
GI	none	Score	536
Exons	4156..4599, 4160..4642		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o3.tm	Method	TBLASTX:Maize
Start	4229	End	4696
GI	none	Score	384
Exons	4229..4696, 4316..4426, 4502..4663		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-

Start	1	End	5065
Name	OJ000350_14.0314.C27.o4.ts	Method	TBLASTX:Soybean
Start	4229	End	4510
GI	none	Score	183
Exons	4229..4510, 4312..4509		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o1.ts	Method	TBLASTX:Soybean
Start	4583	End	4978
GI	none	Score	57
Exons	4583..4615, 4583..4615, 4619..4978, 4622..4696, 4623..4760, 4735..4968		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o5.tw	Method	TBLASTX:Wheat
Start	4691	End	4993
GI	none	Score	389
Exons	4691..4993, 4729..4992		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93265	Strand	-
Start	1	End	5065
Name	OJ000350_14.0314.C27.o5.tm	Method	TBLASTX:Maize
Start	4712	End	5065
GI	none	Score	323
Exons	4712..5065, 4723..4965		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93266	Strand	
Start	4994	End	5503
Name	OJ000350_14.0314.C27.o2.tw	Method	TBLASTX:Wheat
Start	4994	End	5503
GI	none	Score	643
Exons	4994..5503, 5026..5412		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93266	Strand	
Start	4994	End	5503
Name	OJ000350_14.0314.C27.o3.ts	Method	TBLASTX:Soybean
Start	5003	End	5245
GI	none	Score	197
Exons	5003..5245		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93266	Strand	
Start	4994	End	5503
Name	OJ000350_14.0314.C27.o2.tm	Method	TBLASTX:Maize
Start	5066	End	5419
GI	none	Score	483
Exons	5066..5419, 5068..5334, 5108..5404		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	

Start	5507	End	6952
Name	OJ000350_14.0314.C27.o3.tw	Method	TBLASTX:Wheat
Start	5507	End	5986
GI	none	Score	568
Exons	5507..5986, 5525..5953, 5602..5985		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o1.tc	Method	TBLASTX:Cress
Start	5684	End	6010
GI	none	Score	79
Exons	5684..5866, 5867..6010, 5932..6009		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o2.ts	Method	TBLASTX:Soybean
Start	5774	End	6034
GI	none	Score	277
Exons	5774..6034, 5779..5880, 5966..6034		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o4.tm	Method	TBLASTX:Maize
Start	5832	End	6124
GI	none	Score	368
Exons	5832..6023, 5834..6124, 5903..6115, 5935..6120		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o1.tw	Method	TBLASTX:Wheat
Start	5993	End	6619
GI	none	Score	668
Exons	5993..6619, 6049..6618		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o1.tm	Method	TBLASTX:Maize
Start	6173	End	6760
GI	none	Score	222
Exons	6173..6334, 6176..6325, 6181..6327, 6332..6430, 6332..6400, 6334..6429, 6491..6760, 6499..6759		

Seq. No.	44265	Seq. ID	OJ000350_14.0314.C27
Gene No.	93267	Strand	
Start	5507	End	6952
Name	OJ000350_14.0314.C27.o6.tw	Method	TBLASTX:Wheat
Start	6619	End	6952
GI	none	Score	307
Exons	6619..6756, 6620..6952		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93268	Strand	+

Start	911	End	1177
Name	OJ000350_14.0314.C28.o1.gp	Method	AAT/GAP
Start	911	End	1177
GI	uC-osflcyp013a06b1	Score	190
Exons	911..945, 1051..1177		
GI Descrip.	'4538905/emb|CAB39642.1| 5.0e-36 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93269	Strand	-
Start	1	End	508
Name	OJ000350_14.0314.C28.o1.np	Method	AAT/NAP
Start	1	End	508
GI	7340909	Score	167
Exons	1..122, 189..508		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o2.np	Method	AAT/NAP
Start	3017	End	4689
GI	5281041	Score	1172
Exons	3017..3643, 3779..4689		
GI Descrip.	(AL080318) flavonoid 3', 5'-hydroxylase-like protein [Arabidopsis thaliana]		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o1.tc	Method	TBLASTX:Cress
Start	3020	End	3637
GI	none	Score	156
Exons	3020..3259, 3021..3308, 3284..3544, 3284..3400, 3285..3632, 3449..3637		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o1.tm	Method	TBLASTX:Maize
Start	3020	End	4545
GI	none	Score	58
Exons	3020..3112, 3108..3260, 3119..3259, 3266..3541, 3275..3643, 3276..3629, 3571..3633, 4426..4545		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o1.tw	Method	TBLASTX:Wheat
Start	3107	End	3379
GI	none	Score	90
Exons	3107..3259, 3120..3260, 3272..3379, 3273..3377		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o1.ts	Method	TBLASTX:Soybean

Start	3119	End	4534
GI	none	Score	42
Exons	3119..3403, 3198..3230, 3249..3401, 3423..3644, 3449..3643, 3869..4093, 3906..4040, 3908..4057, 4220..4318, 4379..4534		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o3.tm	Method	TBLASTX:Maize
Start	3779	End	4006
GI	none	Score	68
Exons	3779..3868, 3785..3868, 3795..3932, 3878..4006, 3878..4006		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o2.tc	Method	TBLASTX:Cress
Start	3806	End	4580
GI	none	Score	71
Exons	3806..4120, 4082..4192, 4107..4184, 4196..4342, 4338..4502, 4340..4522, 4382..4522, 4536..4580		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o2.tm	Method	TBLASTX:Maize
Start	4061	End	4295
GI	none	Score	110
Exons	4061..4087, 4071..4205, 4091..4201, 4187..4264, 4191..4262, 4250..4294, 4254..4295		

Seq. No.	44266	Seq. ID	OJ000350_14.0314.C28
Gene No.	93270	Strand	-
Start	3017	End	4689
Name	OJ000350_14.0314.C28.o2.gp	Method	AAT/GAP
Start	4068	End	4419
GI	uC-osflcyp005h08b1	Score	700
Exons	4068..4419		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93271	Strand	+
Start	395	End	2248
Name	OJ000350_14.0314.C29.o1.gs	Method	GENSCAN
Start	395	End	2248
GI	none	Score	.79
Exons	395..493, 640..1047, 1156..1428, 1515..1808, 2129..2248		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93271	Strand	+
Start	395	End	2248
Name	OJ000350_14.0314.C29.o1.np	Method	AAT/NAP
Start	410	End	1850
GI	4006915	Score	692
Exons	410..493, 637..1047, 1156..1428, 1515..1850		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93272	Strand	-
Start	1803	End	3319
Name	OJ000350_14.0314.C29.o1.tm	Method	TBLASTX:Maize
Start	419	End	1047
GI	none	Score	78
Exons	419..502, 427..501, 631..801, 823..894, 940..1047		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93272	Strand	-
Start	1803	End	3319
Name	OJ000350_14.0314.C29.o1.ts	Method	TBLASTX:Soybean
Start	940	End	1583
GI	none	Score	73
Exons	940..1002, 1147..1428, 1149..1427, 1509..1583, 1511..1582		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93272	Strand	-
Start	1803	End	3319
Name	OJ000350_14.0314.C29.o2.np	Method	AAT/NAP
Start	1803	End	3319
GI	7488217	Score	86
Exons	1803..1851, 3020..3138, 3219..3319		
GI Descrip.	probable TMV resistance protein - Arabidopsis thaliana gi|2244793|emb|CAB10216.1| (Z97336) disease resistance N like protein [Arabidopsis thaliana] gi|7268142|emb|CAB78479.1| (AL161538) disease resistance N like protein [Arabidopsis thaliana]		

Seq. No.	44267	Seq. ID	OJ000350_14.0314.C29
Gene No.	93272	Strand	-
Start	1803	End	3319
Name	OJ000350_14.0314.C29.o2.gs	Method	GENSCAN
Start	2983	End	3188
GI	none	Score	.69
Exons	2983..3188		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.np	Method	AAT/NAP
Start	1	End	3802
GI	2829910	Score	2119
Exons	1..232, 308..2192, 2881..3140, 3299..3385, 3483..3572, 3661..3802		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o4.tm	Method	TBLASTX:Maize
Start	89	End	556
GI	none	Score	92
Exons	89..232, 123..233, 132..233, 300..407, 306..395, 308..472, 434..484, 473..493, 506..556, 511..549		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.gs	Method	GENSCAN
Start	233	End	10826
GI	none	Score	.65
Exons	233..1653, 1875..2316, 2873..2956, 3024..3140, 3483..3572, 3661..3747, 4645..4812, 5951..6070, 6186..6344, 6517..6736, 6817..6853, 6983..7101, 7397..7520, 8159..8247, 10719..10826		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o2.ts	Method	TBLASTX:Soybean
Start	493	End	889
GI	none	Score	172
Exons	493..531, 599..697, 686..889, 720..881		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o3.tm	Method	TBLASTX:Maize
Start	711	End	922
GI	none	Score	190
Exons	711..920, 713..922, 788..922		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.ts	Method	TBLASTX:Soybean
Start	892	End	1944
GI	none	Score	95
Exons	892..1125, 893..1072, 893..1384, 1027..1284, 1056..1382, 1097..1408, 1427..1615, 1448..1573, 1705..1893, 1708..1788, 1747..1944, 1846..1941		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.tm	Method	TBLASTX:Maize
Start	923	End	2070
GI	none	Score	81
Exons	923..1126, 929..1111, 929..1126, 1049..1147, 1184..1339, 1241..1441, 1305..1376, 1416..1634, 1418..1639, 1427..1630, 1490..1555, 1541..1642, 1589..1648, 1639..2010, 1640..1822, 1699..1788, 1747..1950, 1807..1995, 1877..2011, 2047..2070		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.tc	Method	TBLASTX:Cress
Start	929	End	1998
GI	none	Score	112
Exons	929..1081, 1025..1471, 1027..1335, 1056..1469, 1363..1470, 1427..1594, 1523..1639, 1589..1627, 1708..1788, 1717..1890, 1843..1944, 1846..1998		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o4.ts	Method	TBLASTX:Soybean
Start	1945	End	3718
GI	none	Score	61
Exons	1945..2025, 2044..2088, 3078..3140, 3296..3385, 3300..3368, 3481..3564, 3482..3571, 3483..3572, 3490..3573, 3664..3708, 3665..3718		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o2.np	Method	AAT/NAP
Start	4772	End	6753
GI	7486148	Score	215
Exons	4772..4879, 5749..5826, 5951..6066, 6173..6338, 6514..6753		
GI Descrip.	hypothetical protein F25I24.60 - Arabidopsis thaliana gi|4539359|emb|CAB40053.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267783|emb|CAB81186.1| (AL161518) putative protein [Arabidopsis thaliana]		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o1.gp	Method	AAT/GAP
Start	5300	End	7064
GI	53424_1.R1084	Score	1938
Exons	5300..5775, 6012..6070, 6186..6344, 6517..6736, 6817..6853, 6983..7064		
GI Descrip.	'4455244/emb|CAB36743.1| 1.0e-20 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o3.ts	Method	TBLASTX:Soybean
Start	5598	End	6999
GI	none	Score	36
Exons	5598..5624, 5752..5823, 5786..5824, 5948..6067, 5949..6047, 6186..6347, 6487..6732, 6512..6733, 6816..6857, 6982..6999		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o3.tc	Method	TBLASTX:Cress
Start	5722	End	6347
GI	none	Score	60
Exons	5722..5823, 5732..5824, 5951..6067, 5958..6065, 6186..6347		

Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o2.tc	Method	TBLASTX:Cress
Start	6484	End	6736
GI	none	Score	81

Exons	6484..6732, 6487..6729, 6500..6736		
Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o2.tm	Method	TBLASTX:Maize
Start	6512	End	7085
GI	none	Score	111
Exons	6512..6616, 6514..6615, 6595..6735, 6613..6732, 6614..6802, 6623..6733, 6816..6878, 6816..6857, 6817..6894, 6951..7085, 6961..7032, 6987..7067		
Seq. No.	44268	Seq. ID	OJ000350_14.0314.C30
Gene No.	93273	Strand	-
Start	1	End	11014
Name	OJ000350_14.0314.C30.o2.gp	Method	AAT/GAP
Start	7825	End	11014
GI	none	Score	2027
Exons	7825..8682, 10719..10826, 10924..11014		
Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93274	Strand	-
Start	1	End	914
Name	OJ000350_14.0314.C31.o1.gp	Method	AAT/GAP
Start	1	End	914
GI	38467_1.R1084	Score	1202
Exons	1..326, 618..914		
GI Descrip.	'5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		
Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93274	Strand	-
Start	1	End	914
Name	OJ000350_14.0314.C31.o1.gs	Method	GENSCAN
Start	7	End	816
GI	none	Score	.87
Exons	7..326, 362..526, 618..816		
Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93275	Strand	-
Start	13971	End	15862
Name	OJ000350_14.0314.C31.o3.gs	Method	GENSCAN
Start	13971	End	15755
GI	none	Score	.83
Exons	13971..14061, 14409..14543, 14911..14984, 15090..15135, 15226..15445, 15629..15755		
Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93275	Strand	-
Start	13971	End	15862
Name	OJ000350_14.0314.C31.o1.np	Method	AAT/NAP
Start	14255	End	15752
GI	5042452	Score	410
Exons	14255..14303, 14911..15031, 15086..15135, 15226..15445, 15629..15752		
GI Descrip.	(AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93275	Strand	-
Start	13971	End	15862
Name	OJ000350_14.0314.C31.o3.gp	Method	AAT/GAP
Start	14775	End	15862
GI	5038579	Score	1304
Exons	14775..14984, 15090..15135, 15226..15445, 15629..15862		
GI Descrip.	5042452/gb|AAD38289.1|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93276	Strand	-
Start	16315	End	23776
Name	OJ000350_14.0314.C31.o1.tm	Method	TBLASTX:Maize
Start	15222	End	15414
GI	none	Score	259
Exons	15222..15413, 15223..15414, 15223..15282, 15225..15314, 15284..15319, 15381..15413		

Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93276	Strand	-
Start	16315	End	23776
Name	OJ000350_14.0314.C31.o3.tm	Method	TBLASTX:Maize
Start	15627	End	15759
GI	none	Score	180
Exons	15627..15758, 15628..15759		

Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93276	Strand	-
Start	16315	End	23776
Name	OJ000350_14.0314.C31.o4.gs	Method	GENSCAN
Start	16315	End	23715
GI	none	Score	.52
Exons	16315..16477, 17646..17962, 17992..18133, 18651..18863, 18960..19112, 19420..19532, 19810..19868, 21296..21745, 23077..23305, 23491..23715		

Seq. No.	44269	Seq. ID	OJ000350_14.0314.C31
Gene No.	93276	Strand	-
Start	16315	End	23776
Name	OJ000350_14.0314.C31.o2.tm	Method	TBLASTX:Maize
Start	23564	End	23776
GI	none	Score	45
Exons	23564..23593, 23594..23776, 23710..23775		

Seq. No.	44270	Seq. ID	OJ000350_14.0314.C32
Gene No.	93277	Strand	+
Start	1	End	1566
Name	OJ000350_14.0314.C32.o1.np	Method	AAT/NAP
Start	1	End	1566
GI	3688191	Score	119
Exons	1..188, 1537..1566		
GI Descrip.	(AJ010090) MAP3K alpha protein kinase [Arabidopsis thaliana]		

Seq. No.	44270	Seq. ID	OJ000350_14.0314.C32
Gene No.	93277	Strand	+

Start	1	End	1566
Name	OJ000350_14.0314.C32.o1.tm	Method	TBLASTX:Maize
Start	105	End	616
GI	none	Score	62
Exons	105..155, 107..151, 193..252, 198..254, 240..416, 240..368, 446..616		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o1.np	Method	AAT/NAP
Start	1	End	2679
GI	7228457	Score	3784
Exons	1..882, 1005..1837, 1901..2679		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o4.tw	Method	TBLASTX:Wheat
Start	4	End	402
GI	none	Score	56
Exons	4..93, 14..82, 127..378, 137..313, 154..402		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o1.gs	Method	GENSCAN
Start	39	End	2557
GI	none	Score	.6
Exons	39..1219, 1464..1837, 1901..2557		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o1.ts	Method	TBLASTX:Soybean
Start	811	End	1182
GI	none	Score	84
Exons	811..1182, 1022..1165		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o2.tw	Method	TBLASTX:Wheat
Start	841	End	1259
GI	none	Score	258
Exons	841..1206, 866..1207, 982..1224, 1208..1258, 1212..1259		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o2.tm	Method	TBLASTX:Maize
Start	934	End	1315
GI	none	Score	191
Exons	934..1209, 953..1207, 1216..1281, 1217..1315		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o1.tm	Method	TBLASTX:Maize
Start	1343	End	1699
GI	none	Score	73
Exons	1343..1459, 1343..1699, 1353..1664		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o1.tw	Method	TBLASTX:Wheat
Start	1367	End	1829
GI	none	Score	217
Exons	1367..1828, 1373..1828, 1374..1829		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o2.ts	Method	TBLASTX:Soybean
Start	1424	End	1789
GI	none	Score	118
Exons	1424..1558, 1565..1789		

Seq. No.	44271	Seq. ID	OJ000350_14.0314.C35
Gene No.	93278	Strand	-
Start	1	End	2679
Name	OJ000350_14.0314.C35.o3.tw	Method	TBLASTX:Wheat
Start	2030	End	2480
GI	none	Score	176
Exons	2030..2479, 2031..2285, 2307..2480		

Seq. No.	44272	Seq. ID	OJ000350_14.0314.C36
Gene No.	93279	Strand	-
Start	41	End	1575
Name	OJ000350_14.0314.C36.o1.gs	Method	GENSCAN
Start	41	End	1575
GI	none	Score	.72
Exons	41..1364, 1401..1575		

Seq. No.	44272	Seq. ID	OJ000350_14.0314.C36
Gene No.	93279	Strand	-
Start	41	End	1575
Name	OJ000350_14.0314.C36.o1.np	Method	AAT/NAP
Start	48	End	1293
GI	6721562	Score	1653
Exons	48..1293		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	44272	Seq. ID	OJ000350_14.0314.C36
Gene No.	93279	Strand	-
Start	41	End	1575

Name	OJ000350_14.0314.C36.o1.tw	Method	TBLASTX:Wheat
Start	247	End	636
GI	none	Score	78
Exons	247..504, 281..487, 487..585,	530..568,	592..636

Seq. No.	44272	Seq. ID	OJ000350_14.0314.C36
Gene No.	93279	Strand	-
Start	41	End	1575
Name	OJ000350_14.0314.C36.o1.tm	Method	TBLASTX:Maize
Start	349	End	633
GI	none	Score	71
Exons	349..597, 350..481, 361..633		

Seq. No.	44273	Seq. ID	OJ000350_14.0314.C37
Gene No.	93280	Strand	+
Start	172	End	828
Name	OJ000350_14.0314.C37.o1.gs	Method	GENSCAN
Start	172	End	828
GI	none	Score	.59
Exons	172..331, 707..828		

Seq. No.	44274	Seq. ID	OJ000350_14.0314.C38
Gene No.	93281	Strand	+
Start	69	End	8914
Name	OJ000350_14.0314.C38.o1.gs	Method	GENSCAN
Start	69	End	8316
GI	none	Score	.67
Exons	69..141, 177..250, 2588..2728, 3188..3214, 3344..3366, 5503..5545, 5574..6077, 6251..6512, 6600..6649, 6768..6824, 7119..7184, 7511..7585, 8025..8140, 8225..8316		

Seq. No.	44274	Seq. ID	OJ000350_14.0314.C38
Gene No.	93281	Strand	+
Start	69	End	8914
Name	OJ000350_14.0314.C38.o1.tm	Method	TBLASTX:Maize
Start	6340	End	8638
GI	none	Score	37
Exons	6340..6366, 6341..6367, 6364..6513, 6365..6511, 6378..6518, 6599..6655, 6599..6652, 6601..6657, 6768..6833, 6768..6830, 7116..7184, 7117..7185, 7117..7185, 7118..7186, 7119..7187, 7508..7594, 7508..7585, 7513..7599, 7513..7587, 8022..8144, 8023..8145, 8024..8146, 8025..8141, 8223..8321, 8223..8321, 8224..8325, 8575..8634, 8579..8638		

Seq. No.	44274	Seq. ID	OJ000350_14.0314.C38
Gene No.	93281	Strand	+
Start	69	End	8914
Name	OJ000350_14.0314.C38.o1.ts	Method	TBLASTX:Soybean
Start	6397	End	8324
GI	none	Score	132
Exons	6397..6510, 6398..6511, 6599..6655, 6771..6827, 7119..7187, 7508..7594, 7513..7587, 8025..8081, 8223..8315, 8223..8324		

Seq. No.	44274	Seq. ID	OJ000350_14.0314.C38
Gene No.	93281	Strand	+
Start	69	End	8914
Name	OJ000350_14.0314.C38.o2.gp	Method	AAT/GAP

Start	6476	End	8914
GI	12651_2.R1084	Score	1136
Exons	6476..6512, 6600..6649, 6768..6824, 7119..7184, 7511..7585, 8025..8140, 8225..8316, 8579..8637, 8752..8914		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	44275	Seq. ID	OJ000350_14.0314.C39
Gene No.	93282	Strand	+
Start	980	End	2208
Name	OJ000350_14.0314.C39.o1.gs	Method	GENSCAN
Start	980	End	2165
GI	none	Score	.54
Exons	980..1100, 1865..2165		

Seq. No.	44275	Seq. ID	OJ000350_14.0314.C39
Gene No.	93282	Strand	+
Start	980	End	2208
Name	OJ000350_14.0314.C39.o1.gp	Method	AAT/GAP
Start	1237	End	2145
GI	uC-osflcyp120f02b1	Score	878
Exons	1237..1425, 1862..2145		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44275	Seq. ID	OJ000350_14.0314.C39
Gene No.	93282	Strand	+
Start	980	End	2208
Name	OJ000350_14.0314.C39.o1.np	Method	AAT/NAP
Start	1414	End	2208
GI	7487350	Score	223
Exons	1414..1447, 1871..2208		
GI Descrip.	hypothetical protein T22F8.70 - Arabidopsis thaliana gi|4914429|emb|CAB43632.1| (AL050351) SEC14-like protein [Arabidopsis thaliana] gi|7270900|emb|CAB80580.1| (AL161594) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	44275	Seq. ID	OJ000350_14.0314.C39
Gene No.	93282	Strand	+
Start	980	End	2208
Name	OJ000350_14.0314.C39.o1.tm	Method	TBLASTX:Maize
Start	1868	End	2170
GI	none	Score	94
Exons	1868..1936, 1873..1998, 1873..2016, 1968..2039, 2050..2166, 2056..2166, 2057..2170		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93283	Strand	+
Start	38	End	6406
Name	OJ000350_14.0314.C40.o1.np	Method	AAT/NAP
Start	38	End	4158
GI	7487350	Score	1133
Exons	38..71, 133..427, 552..651, 742..1008, 1087..1164, 1311..1412, 1541..1718, 1826..1927, 2010..2136, 2348..2477, 2893..3029, 3078..3277, 3539..3620, 4133..4158		
GI Descrip.	hypothetical protein T22F8.70 - Arabidopsis thaliana gi|4914429|emb|CAB43632.1| (AL050351) SEC14-like protein		

[Arabidopsis thaliana] gi|7270900|emb|CAB80580.1| (AL161594) SEC14-like protein [Arabidopsis thaliana]

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93283	Strand	+
Start	38	End	6406
Name	OJ000350_14.0314.C40.o1.gp	Method	AAT/GAP
Start	124	End	407
GI	uC-osflcyp120f02b1	Score	535
Exons	124..407		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93283	Strand	+
Start	38	End	6406
Name	OJ000350_14.0314.C40.o1.gs	Method	GENSCAN
Start	127	End	6406
GI	none	Score	.8
Exons	127..427, 552..648, 742..1008, 1087..1164, 1248..1412, 1826..1924, 2338..2461, 2877..3032, 3111..3277, 3539..3613, 6296..6406		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o1.tm	Method	TBLASTX:Maize
Start	130	End	3613
GI	none	Score	94
Exons	130..198, 135..260, 135..278, 136..279, 312..428, 318..428, 319..432, 370..429, 543..650, 550..648, 550..651, 718..1008, 739..1008, 741..1046, 1086..1163, 1087..1164, 1087..1164, 1308..1415, 1308..1412, 1310..1420, 1310..1414, 1492..1539, 1493..1540, 1595..1660, 1620..1661, 1649..1717, 1650..1718, 1805..1906, 1823..1924, 1825..1911, 2011..2118, 2012..2107, 2012..2122, 2324..2371, 2386..2463, 2878..3018, 2879..3100, 3086..3283, 3097..3276, 3527..3613		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o1.ts	Method	TBLASTX:Soybean
Start	312	End	3613
GI	none	Score	119
Exons	312..428, 320..430, 543..644, 550..645, 733..819, 802..1008, 804..1007, 805..1008, 812..1009, 813..1010, 1087..1164, 1308..1415, 1310..1420, 1328..1414, 1493..1537, 1595..1711, 1617..1721, 1617..1718, 2915..3283, 3091..3276, 3533..3613		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o1.tc	Method	TBLASTX:Cress
Start	616	End	978
GI	none	Score	45
Exons	616..645, 737..853, 741..959, 742..978, 768..977		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o1.tw	Method	TBLASTX:Wheat
Start	763	End	1542
GI	none	Score	365
Exons	763..1008, 777..1046, 777..1007, 1086..1163, 1087..1164, 1087..1164, 1308..1415, 1310..1420, 1310..1414, 1486..1542, 1493..1540, 1497..1541		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o2.tc	Method	TBLASTX:Cress
Start	1308	End	1721
GI	none	Score	148
Exons	1308..1415, 1493..1537, 1595..1717, 1617..1721		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o2.np	Method	AAT/NAP
Start	3023	End	5706
GI	5734621	Score	41
Exons	3023..3036, 5511..5706		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	44276	Seq. ID	OJ000350_14.0314.C40
Gene No.	93284	Strand	-
Start	3023	End	5706
Name	OJ000350_14.0314.C40.o2.gp	Method	AAT/GAP
Start	3900	End	4294
GI	uC-osf1M202084e07a1	Score	772
Exons	3900..4294		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	44277	Seq. ID	OJ000350_14.0314.C41
Gene No.	93285	Strand	+
Start	66	End	1431
Name	OJ000350_14.0314.C41.o1.gs	Method	GENSCAN
Start	66	End	1431
GI	none	Score	.83
Exons	66..99, 1265..1431		

Seq. No.	44277	Seq. ID	OJ000350_14.0314.C41
Gene No.	93286	Strand	-
Start	1900	End	8548
Name	OJ000350_14.0314.C41.o1.np	Method	AAT/NAP
Start	1900	End	3264
GI	5777620	Score	92
Exons	1900..2055, 3229..3264		
GI Descrip.	(AJ245900) CAA30378.1 protein [Oryza sativa]		

Seq. No.	44277	Seq. ID	OJ000350_14.0314.C41

Gene No.	93286	Strand	-
Start	1900	End	8548
Name	OJ000350_14.0314.C41.o2.gs	Method	GENSCAN
Start	2509	End	8548
GI	none	Score	.56
Exons	2509..2604, 2670..2769, 4720..4798, 5456..5548, 6391..6462, 7206..7297, 8241..8289, 8347..8548		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93287	Strand	+
Start	1603	End	2984
Name	OJ000350_14.0314.C42.o1.np	Method	AAT/NAP
Start	1603	End	2984
GI	4006915	Score	692
Exons	1603..1686, 1794..2207, 2291..2563, 2649..2984		
GI Descrip.	(Z99708) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93287	Strand	+
Start	1603	End	2984
Name	OJ000350_14.0314.C42.o1.gs	Method	GENSCAN
Start	1803	End	2984
GI	none	Score	.73
Exons	1803..2207, 2291..2563, 2649..2984		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o1.tm	Method	TBLASTX:Maize
Start	1594	End	2207
GI	none	Score	79
Exons	1594..1698, 1788..1958, 1841..1957, 1983..2087, 1997..2035, 2100..2207, 2124..2207		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o1.tc	Method	TBLASTX:Cress
Start	1612	End	2068
GI	none	Score	81
Exons	1612..1698, 1878..2066, 1880..2068		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o2.ts	Method	TBLASTX:Soybean
Start	1612	End	2036
GI	none	Score	80
Exons	1612..1686, 1617..1682, 1788..2036, 1790..1909, 1982..2035		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o1.ts	Method	TBLASTX:Soybean
Start	2094	End	2702
GI	none	Score	76
Exons	2094..2162, 2288..2563, 2290..2562, 2646..2702		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o2.np	Method	AAT/NAP
Start	2970	End	6363
GI	6553921	Score	226
Exons	2970..3052, 5218..5288, 5412..5553, 6074..6158, 6247..6363		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44278	Seq. ID	OJ000350_14.0314.C42
Gene No.	93288	Strand	-
Start	2970	End	6363
Name	OJ000350_14.0314.C42.o2.gs	Method	GENSCAN
Start	4827	End	6363
GI	none	Score	.56
Exons	4827..5086, 6074..6158, 6247..6363		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93289	Strand	+
Start	9181	End	9607
Name	OJ000350_14.0314.C43.o1.gp	Method	AAT/GAP
Start	9181	End	9607
GI	4878407	Score	648
Exons	9181..9607		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93290	Strand	+
Start	14763	End	16855
Name	OJ000350_14.0314.C43.o4.gs	Method	GENSCAN
Start	14763	End	16830
GI	none	Score	.85
Exons	14763..16024, 16122..16830		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93290	Strand	+
Start	14763	End	16855
Name	OJ000350_14.0314.C43.o6.np	Method	AAT/NAP
Start	14763	End	16855
GI	6907089	Score	2779
Exons	14763..16024, 16122..16855		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93291	Strand	-
Start	792	End	4642
Name	OJ000350_14.0314.C43.o1.gs	Method	GENSCAN
Start	792	End	4642
GI	none	Score	.92
Exons	792..1381, 1478..1691, 1802..1916, 2019..2264, 2354..2451, 2548..3136, 3187..3292, 4110..4271, 4378..4457, 4569..4642		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93291	Strand	-
Start	792	End	4642

Name	OJ000350_14.0314.C43.o1.np	Method	AAT/NAP
Start	804	End	4271
GI	4218991	Score	1289
Exons	804..1381, 1478..1691, 1802..1916, 2019..2264, 2354..2466, 2572..3097, 3187..3292, 4110..4271		
GI Descrip.	(AF098632) subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93292	Strand	-
Start	8204	End	8905
Name	OJ000350_14.0314.C43.o2.np	Method	AAT/NAP
Start	7472	End	8905
GI	7523494	Score	361
Exons	7472..7970, 8336..8446, 8489..8905		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93292	Strand	-
Start	8204	End	8905
Name	OJ000350_14.0314.C43.o2.gs	Method	GENSCAN
Start	8204	End	8875
GI	none	Score	.92
Exons	8204..8875		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o1.ts	Method	TBLASTX:Soybean
Start	808	End	2769
GI	none	Score	45
Exons	808..840, 813..845, 864..890, 930..989, 930..1082, 979..1083, 1107..1130, 1218..1385, 1225..1356, 1479..1580, 1480..1581, 1581..1700, 1802..1924, 2021..2245, 2076..2246, 2575..2769, 2576..2746		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o1.tc	Method	TBLASTX:Cress
Start	864	End	4266
GI	none	Score	79
Exons	864..1031, 1098..1124, 1209..1340, 1222..1344, 1479..1700, 1480..1701, 1802..1915, 1803..1880, 2066..2248, 2067..2249, 2575..3033, 2576..2746, 2810..3004, 3201..3248, 3252..3293, 4177..4266		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o1.tm	Method	TBLASTX:Maize
Start	864	End	2850
GI	none	Score	55
Exons	864..944, 985..1089, 1011..1088, 1101..1139, 1210..1347, 1224..1340, 1476..1508, 1477..1617, 1479..1700, 1480..1704, 1802..1930, 1803..1880, 2033..2248, 2575..2622, 2592..2615, 2614..2850, 2615..2848		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o1.tw	Method	TBLASTX:Wheat
Start	2575	End	3017
GI	none	Score	111
Exons	2575..2787, 2576..2746, 2770..2853, 2810..2851, 2976..3017		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o2.ts	Method	TBLASTX:Soybean
Start	2770	End	3294
GI	none	Score	132
Exons	2770..2925, 2857..3006, 2891..3004, 3061..3096, 3181..3246, 3186..3248, 3255..3293, 3256..3294		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o3.np	Method	AAT/NAP
Start	9105	End	12350
GI	4680186	Score	169
Exons	9105..9152, 9750..9906, 12296..12350		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o3.gs	Method	GENSCAN
Start	10152	End	14494
GI	none	Score	.51
Exons	10152..10227, 10471..10610, 10879..11037, 12956..13159, 13515..13557, 13982..14049, 14396..14494		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o4.np	Method	AAT/NAP
Start	10471	End	10575
GI	6721512	Score	51
Exons	10471..10575		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44279	Seq. ID	OJ000350_14.0314.C43
Gene No.	93293	Strand	-
Start	9105	End	16855
Name	OJ000350_14.0314.C43.o5.np	Method	AAT/NAP
Start	13106	End	16855
GI	5042454	Score	228
Exons	13106..13166, 13521..13689, 14382..14508, 14726..14914, 16796..16855		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93294	Strand	+
Start	1	End	592

Name	OJ000350_14.0314.C44.o1.np	Method	AAT/NAP
Start	1	End	589
GI	6907089	Score	862
Exons	1..589		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93294	Strand	+
Start	1	End	592
Name	OJ000350_14.0314.C44.o1.gs	Method	GENSCAN
Start	46	End	592
GI	none	Score	.9
Exons	46..388, 397..592		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93295	Strand	-
Start	1249	End	2703
Name	OJ000350_14.0314.C44.o2.np	Method	AAT/NAP
Start	1219	End	2703
GI	7228457	Score	2455
Exons	1219..2703		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93295	Strand	-
Start	1249	End	2703
Name	OJ000350_14.0314.C44.o2.tw	Method	TBLASTX:Wheat
Start	1228	End	1830
GI	none	Score	70
Exons	1228..1353, 1232..1354, 1520..1690, 1528..1830, 1547..1825		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93295	Strand	-
Start	1249	End	2703
Name	OJ000350_14.0314.C44.o2.gs	Method	GENSCAN
Start	1249	End	2607
GI	none	Score	.69
Exons	1249..2607		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93295	Strand	-
Start	1249	End	2703
Name	OJ000350_14.0314.C44.o1.tw	Method	TBLASTX:Wheat
Start	1831	End	2212
GI	none	Score	233
Exons	1831..2211, 1862..2212		

Seq. No.	44280	Seq. ID	OJ000350_14.0314.C44
Gene No.	93295	Strand	-
Start	1249	End	2703
Name	OJ000350_14.0314.C44.o1.tm	Method	TBLASTX:Maize
Start	2006	End	2349
GI	none	Score	217
Exons	2006..2140, 2026..2349, 2039..2320		

Seq. No.	44281	Seq. ID	OJ000350_17.0310.C1
Gene No.	93296	Strand	-
Start	214	End	887
Name	OJ000350_17.0310.C1.o1.gs	Method	GENSCAN
Start	214	End	876
GI	none	Score	.85
Exons	214..876		

Seq. No.	44281	Seq. ID	OJ000350_17.0310.C1
Gene No.	93296	Strand	-
Start	214	End	887
Name	OJ000350_17.0310.C1.o1.tm	Method	TBLASTX:Maize
Start	245	End	693
GI	none	Score	35
Exons	245..265, 289..603, 290..445, 292..594, 493..693, 515..601		

Seq. No.	44281	Seq. ID	OJ000350_17.0310.C1
Gene No.	93296	Strand	-
Start	214	End	887
Name	OJ000350_17.0310.C1.o1.np	Method	AAT/NAP
Start	250	End	887
GI	5454208	Score	296
Exons	250..887		
GI Descrip.	(AC005698) T3P18.22 [Arabidopsis thaliana]		

Seq. No.	44281	Seq. ID	OJ000350_17.0310.C1
Gene No.	93296	Strand	-
Start	214	End	887
Name	OJ000350_17.0310.C1.o1.ts	Method	TBLASTX:Soybean
Start	370	End	885
GI	none	Score	87
Exons	370..828, 442..861, 664..885, 703..885		

Seq. No.	44282	Seq. ID	OJ000350_17.0310.C11
Gene No.	93297	Strand	+
Start	1	End	189
Name	OJ000350_17.0310.C11.o1.np	Method	AAT/NAP
Start	1	End	189
GI	6715638	Score	178
Exons	1..189		
GI Descrip.	(AC007323) T25K16.18 [Arabidopsis thaliana]		

Seq. No.	44282	Seq. ID	OJ000350_17.0310.C11
Gene No.	93299	Strand	-
Start	1179	End	2178
Name	OJ000350_17.0310.C11.o2.np	Method	AAT/NAP
Start	1179	End	2178
GI	7240866	Score	372
Exons	1179..1271, 1619..1738, 2115..2178		
GI Descrip.	(AX000456) unnamed protein product [unidentified]		

Seq. No.	44283	Seq. ID	OJ000350_17.0310.C13
Gene No.	93300	Strand	-
Start	464	End	610
Name	OJ000350_17.0310.C13.o1.gs	Method	GENSCAN
Start	464	End	610
GI	none	Score	.59

Exons	464..610		
Seq. No.	44284	Seq. ID	OJ000350_17.0310.C15
Gene No.	93301	Strand	-
Start	478	End	588
Name	OJ000350_17.0310.C15.o1.gs	Method	GENSCAN
Start	478	End	588
GI	none	Score	.59
Exons	478..588		
Seq. No.	44285	Seq. ID	OJ000350_17.0310.C16
Gene No.	93302	Strand	+
Start	1	End	864
Name	OJ000350_17.0310.C16.o1.np	Method	AAT/NAP
Start	1	End	864
GI	5295971	Score	1434
Exons	1..864		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	44285	Seq. ID	OJ000350_17.0310.C16
Gene No.	93302	Strand	+
Start	1	End	864
Name	OJ000350_17.0310.C16.o1.gs	Method	GENSCAN
Start	64	End	841
GI	none	Score	.49
Exons	64..841		
Seq. No.	44286	Seq. ID	OJ000350_17.0310.C17
Gene No.	93303	Strand	-
Start	1	End	1796
Name	OJ000350_17.0310.C17.o1.np	Method	AAT/NAP
Start	1	End	1796
GI	6683617	Score	222
Exons	1..24, 410..523, 1419..1478, 1587..1796		
GI Descrip.	(AB025249) ATP phosphoribosyl transferase [Arabidopsis thaliana] gi|6683621|dbj|BAA89270.1| (AB025251) ATP phosphoribosyl transferase [Arabidopsis thaliana] gi|7240870|emb|CAB77083.1| (AX000460) unnamed protein product [unidentified]		
Seq. No.	44286	Seq. ID	OJ000350_17.0310.C17
Gene No.	93303	Strand	-
Start	1	End	1796
Name	OJ000350_17.0310.C17.o1.gs	Method	GENSCAN
Start	410	End	1751
GI	none	Score	.84
Exons	410..523, 1419..1751		
Seq. No.	44287	Seq. ID	OJ000350_17.0310.C19
Gene No.	93304	Strand	+
Start	78	End	868
Name	OJ000350_17.0310.C19.o1.gs	Method	GENSCAN
Start	78	End	752
GI	none	Score	.46
Exons	78..221, 260..752		

Seq. No.	44287	Seq. ID	OJ000350_17.0310.C19
Gene No.	93304	Strand	+
Start	78	End	868
Name	OJ000350_17.0310.C19.o1.np	Method	AAT/NAP
Start	196	End	868
GI	5921926	Score	398
Exons	196..230, 273..868		
GI Descrip.	CYTOCHROME P450 78A3 gi|2739008|gb|AAB94592| (AF022463) CYP78A3p [Glycine max]		

Seq. No.	44288	Seq. ID	OJ000350_17.0310.C20
Gene No.	93305	Strand	-
Start	376	End	431
Name	OJ000350_17.0310.C20.o1.gs	Method	GENSCAN
Start	376	End	431
GI	none	Score	.9
Exons	376..431		

Seq. No.	44289	Seq. ID	OJ000350_17.0310.C24
Gene No.	93306	Strand	-
Start	1	End	727
Name	OJ000350_17.0310.C24.o1.np	Method	AAT/NAP
Start	1	End	727
GI	7228442	Score	1239
Exons	1..727		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44289	Seq. ID	OJ000350_17.0310.C24
Gene No.	93306	Strand	-
Start	1	End	727
Name	OJ000350_17.0310.C24.o1.gs	Method	GENSCAN
Start	167	End	697
GI	none	Score	.87
Exons	167..268, 349..697		

Seq. No.	44290	Seq. ID	OJ000350_17.0310.C25
Gene No.	93307	Strand	+
Start	263	End	385
Name	OJ000350_17.0310.C25.o1.gs	Method	GENSCAN
Start	263	End	385
GI	none	Score	.87
Exons	263..385		

Seq. No.	44291	Seq. ID	OJ000350_17.0310.C27
Gene No.	93309	Strand	+
Start	1	End	1004
Name	OJ000350_17.0310.C27.o1.np	Method	AAT/NAP
Start	1	End	626
GI	2992160	Score	185
Exons	1..203, 240..436, 536..626		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	44291	Seq. ID	OJ000350_17.0310.C27
Gene No.	93309	Strand	+
Start	1	End	1004

Name	OJ000350_17.0310.C27.o1.gs	Method	GENSCAN
Start	297	End	1004
GI	none	Score	.65
Exons	297..436, 932..1004		

Seq. No.	44292	Seq. ID	OJ000350_17.0310.C32
Gene No.	93311	Strand	+
Start	1	End	1148
Name	OJ000350_17.0310.C32.o1.np	Method	AAT/NAP
Start	1	End	1148
GI	6691197	Score	60
Exons	1..126, 1130..1148		
GI Descrip.	(AC007534) F7F22.5 [Arabidopsis thaliana]		

Seq. No.	44292	Seq. ID	OJ000350_17.0310.C32
Gene No.	93311	Strand	+
Start	1	End	1148
Name	OJ000350_17.0310.C32.o1.gs	Method	GENSCAN
Start	45	End	734
GI	none	Score	.81
Exons	45..126, 574..734		

Seq. No.	44293	Seq. ID	OJ000350_17.0310.C36
Gene No.	93312	Strand	-
Start	481	End	664
Name	OJ000350_17.0310.C36.o1.gs	Method	GENSCAN
Start	481	End	664
GI	none	Score	.63
Exons	481..664		

Seq. No.	44294	Seq. ID	OJ000350_17.0310.C40
Gene No.	93313	Strand	-
Start	30	End	284
Name	OJ000350_17.0310.C40.o1.gs	Method	GENSCAN
Start	30	End	284
GI	none	Score	.69
Exons	30..284		

Seq. No.	44295	Seq. ID	OJ000350_17.0310.C41
Gene No.	93314	Strand	+
Start	93	End	1176
Name	OJ000350_17.0310.C41.o1.gs	Method	GENSCAN
Start	93	End	1159
GI	none	Score	.6
Exons	93..281, 856..931, 1091..1159		

Seq. No.	44295	Seq. ID	OJ000350_17.0310.C41
Gene No.	93314	Strand	+
Start	93	End	1176
Name	OJ000350_17.0310.C41.o1.np	Method	AAT/NAP
Start	96	End	1176
GI	6554489	Score	237
Exons	96..281, 1079..1176		
GI Descrip.	(AC012394) putative AMP-binding protein [Arabidopsis thaliana]		

Seq. No.	44296	Seq. ID	OJ000350_17.0310.C50
Gene No.	93315	Strand	+

Start	390	End	867
Name	OJ000350_17.0310.C50.o1.gs	Method	GENSCAN
Start	390	End	799
GI	none	Score	.9
Exons	390..512, 629..799		

Seq. No.	44296	Seq. ID	OJ000350_17.0310.C50
Gene No.	93315	Strand	+
Start	390	End	867
Name	OJ000350_17.0310.C50.o1.np	Method	AAT/NAP
Start	390	End	867
GI	4512659	Score	394
Exons	390..512, 629..867		
GI Descrip.	(AC006931) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44296	Seq. ID	OJ000350_17.0310.C50
Gene No.	93315	Strand	+
Start	390	End	867
Name	OJ000350_17.0310.C50.o1.ts	Method	TBLASTX:Soybean
Start	414	End	806
GI	none	Score	151
Exons	414..512, 415..513, 628..804, 630..806, 642..806		

Seq. No.	44297	Seq. ID	OJ000350_17.0310.C53
Gene No.	93316	Strand	+
Start	1	End	416
Name	OJ000350_17.0310.C53.o1.np	Method	AAT/NAP
Start	1	End	401
GI	1354849	Score	166
Exons	1..31, 171..401		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44297	Seq. ID	OJ000350_17.0310.C53
Gene No.	93316	Strand	+
Start	1	End	416
Name	OJ000350_17.0310.C53.o1.gs	Method	GENSCAN
Start	96	End	416
GI	none	Score	.51
Exons	96..416		

Seq. No.	44297	Seq. ID	OJ000350_17.0310.C53
Gene No.	93317	Strand	+
Start	360	End	616
Name	OJ000350_17.0310.C53.o1.tm	Method	TBLASTX:Maize
Start	150	End	410
GI	none	Score	313
Exons	150..284, 152..409, 156..410		

Seq. No.	44297	Seq. ID	OJ000350_17.0310.C53
Gene No.	93317	Strand	+
Start	360	End	616
Name	OJ000350_17.0310.C53.o1.ts	Method	TBLASTX:Soybean
Start	179	End	404
GI	none	Score	193
Exons	179..403, 186..404		

Seq. No.	44297	Seq. ID	OJ000350_17.0310.C53

Gene No.	93317	Strand	+
Start	360	End	616
Name	OJ000350_17.0310.C53.o1.gp	Method	AAT/GAP
Start	360	End	616
GI	3762144	Score	447
Exons	360..616		

Seq. No.	44298	Seq. ID	OJ000350_17.0310.C57
Gene No.	93318	Strand	+
Start	1	End	799
Name	OJ000350_17.0310.C57.o1.np	Method	AAT/NAP
Start	1	End	799
GI	6598837	Score	379
Exons	1..799		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	44298	Seq. ID	OJ000350_17.0310.C57
Gene No.	93318	Strand	+
Start	1	End	799
Name	OJ000350_17.0310.C57.o1.tm	Method	TBLASTX:Maize
Start	57	End	749
GI	none	Score	184
Exons	57..509, 57..284, 63..194, 105..614, 209..676, 210..749, 231..707, 239..403		

Seq. No.	44298	Seq. ID	OJ000350_17.0310.C57
Gene No.	93318	Strand	+
Start	1	End	799
Name	OJ000350_17.0310.C57.o1.ts	Method	TBLASTX:Soybean
Start	57	End	731
GI	none	Score	148
Exons	57..326, 57..626, 60..131, 63..641, 65..439, 72..440, 86..310, 105..287, 186..722, 240..350, 279..641, 315..488, 381..722, 396..731		

Seq. No.	44298	Seq. ID	OJ000350_17.0310.C57
Gene No.	93318	Strand	+
Start	1	End	799
Name	OJ000350_17.0310.C57.o1.tc	Method	TBLASTX:Cress
Start	60	End	737
GI	none	Score	146
Exons	60..326, 63..440, 63..239, 66..239, 66..230, 71..436, 81..161, 83..235, 129..341, 143..301, 174..536, 188..499, 228..437, 243..362, 266..409, 291..668, 291..437, 387..737, 485..583, 486..674, 489..722, 548..673, 564..722		

Seq. No.	44298	Seq. ID	OJ000350_17.0310.C57
Gene No.	93318	Strand	+
Start	1	End	799
Name	OJ000350_17.0310.C57.o1.gs	Method	GENSCAN
Start	66	End	743
GI	none	Score	.91
Exons	66..743		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93319	Strand	+
Start	405	End	2429

Name	OJ000350_17.0310.C72.o1.np	Method	AAT/NAP
Start	405	End	1493
GI	7269959	Score	618
Exons	405..731, 1079..1180, 1287..1493		
GI Descrip.	(AL161577) putative protein [Arabidopsis thaliana]		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93319	Strand	+
Start	405	End	2429
Name	OJ000350_17.0310.C72.o1.gp	Method	AAT/GAP
Start	1141	End	2429
GI	38270_1.R1084	Score	1006
Exons	1141..1180, 1287..1592, 2253..2429		
GI Descrip.	'3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]'		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93320	Strand	+
Start	5276	End	8573
Name	OJ000350_17.0310.C72.o2.gs	Method	GENSCAN
Start	5276	End	8573
GI	none	Score	.78
Exons	5276..5405, 5472..5763, 5809..6195, 6394..6537, 6633..8115, 8173..8334, 8427..8573		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93320	Strand	+
Start	5276	End	8573
Name	OJ000350_17.0310.C72.o2.np	Method	AAT/NAP
Start	5276	End	8570
GI	5803259	Score	4850
Exons	5276..6537, 6633..6862, 6905..8570		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93321	Strand	+
Start	13532	End	13621
Name	OJ000350_17.0310.C72.o4.np	Method	AAT/NAP
Start	13532	End	13621
GI	5922623	Score	71
Exons	13532..13621		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o2.tm	Method	TBLASTX:Maize
Start	519	End	1180
GI	none	Score	360
Exons	519..731, 519..731, 520..732, 520..732, 587..739, 668..733, 1078..1179, 1079..1180, 1079..1180		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697

Name	OJ000350_17.0310.C72.o1.ts	Method	TBLASTX:Soybean
Start	1078	End	1451
GI	none	Score	83
Exons	1078..1176, 1078..1179, 1079..1180, 1079..1180, 1284..1451, 1284..1439, 1289..1450		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o4.tm	Method	TBLASTX:Maize
Start	1284	End	1531
GI	none	Score	337
Exons	1284..1520, 1289..1516, 1295..1531, 1363..1530		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o3.gs	Method	GENSCAN
Start	9201	End	13697
GI	none	Score	.92
Exons	9201..13472, 13529..13697		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o3.np	Method	AAT/NAP
Start	9204	End	13504
GI	7228457	Score	5412
Exons	9204..10754, 10821..11972, 12095..12695, 13485..13504		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o6.tm	Method	TBLASTX:Maize
Start	9204	End	9344
GI	none	Score	116
Exons	9204..9344, 9205..9339		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o5.tw	Method	TBLASTX:Wheat
Start	9213	End	9815
GI	none	Score	81
Exons	9213..9338, 9217..9339, 9505..9675, 9531..9815, 9532..9675, 9712..9810, 9752..9811		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o2.tw	Method	TBLASTX:Wheat
Start	9816	End	10197
GI	none	Score	169
Exons	9816..10196, 9847..10095, 9855..10100, 10141..10197		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o1.tm	Method	TBLASTX:Maize
Start	10011	End	10334
GI	none	Score	204
Exons	10011..10334, 10024..10305		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o6.tw	Method	TBLASTX:Wheat
Start	10527	End	10839
GI	none	Score	77
Exons	10527..10787, 10528..10839		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o3.ts	Method	TBLASTX:Soybean
Start	10587	End	11153
GI	5666795	Score	68
Exons	10587..10787, 10842..10979, 11055..11153		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o3.tw	Method	TBLASTX:Wheat
Start	10842	End	11276
GI	none	Score	88
Exons	10842..10991, 10843..10980, 11025..11276, 11035..11211, 11052..11276		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o2.ts	Method	TBLASTX:Soybean
Start	11901	End	12302
GI	none	Score	87
Exons	11901..12302, 12112..12255		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o1.tw	Method	TBLASTX:Wheat
Start	11931	End	12351
GI	none	Score	312
Exons	11931..12350, 11938..12351		

Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o3.tm	Method	TBLASTX:Maize
Start	12024	End	12408
GI	none	Score	230

Exons	12024..12407, 12043..12408		
Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o5.tm	Method	TBLASTX:Maize
Start	12435	End	12711
GI	none	Score	115
Exons	12435..12695, 12435..12698, 12445..12711		
Seq. No.	44299	Seq. ID	OJ000350_17.0310.C72
Gene No.	93322	Strand	-
Start	9201	End	13697
Name	OJ000350_17.0310.C72.o4.tw	Method	TBLASTX:Wheat
Start	12459	End	12696
GI	none	Score	130
Exons	12459..12695, 12465..12695, 12466..12696		
Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o1.np	Method	AAT/NAP
Start	1	End	15790
GI	6630464	Score	1234
Exons	1..36, 4107..4496, 4707..5681, 6909..7245, 7890..7988, 14387..15790		
GI Descrip.	(AC007190) F23N19.4 [Arabidopsis thaliana]		
Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o2.gs	Method	GENSCAN
Start	3479	End	11070
GI	none	Score	.67
Exons	3479..5814, 5847..5955, 6818..7151, 7430..7542, 8125..8253, 8435..8528, 8631..8714, 9523..9711, 10561..10681, 10860..11070		
Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o4.gs	Method	GENSCAN
Start	14244	End	18748
GI	none	Score	.78
Exons	14244..15445, 15522..15721, 16291..16462, 16693..17045, 18440..18574, 18672..18748		
Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o2.np	Method	AAT/NAP
Start	14547	End	21002
GI	6633845	Score	814
Exons	14547..15378, 20314..21002		
GI Descrip.	(AC008047) F2K11.22 [Arabidopsis thaliana]		
Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+

Start	1	End	24588
Name	OJ000350_17.0310.C73.o1.gp	Method	AAT/GAP
Start	15941	End	16229
GI	426253	Score	534
Exons	15941..16229		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o5.gs	Method	GENSCAN
Start	19409	End	24588
GI	none	Score	.78
Exons	19409..20163, 20288..20406, 20452..21036, 21222..21301, 22791..22811, 23319..23402, 23495..23740, 24426..24588		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93323	Strand	+
Start	1	End	24588
Name	OJ000350_17.0310.C73.o2.gp	Method	AAT/GAP
Start	22779	End	23675
GI	uC-osflcyp081e03b1	Score	835
Exons	22779..22984, 23319..23402, 23495..23675		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o1.tc	Method	TBLASTX:Cress
Start	3743	End	21020
GI	none	Score	81
Exons	3743..3922, 3860..4042, 3935..4042, 3956..4042, 4073..4411, 4073..4246, 4073..4324, 4103..4324, 4154..4525, 4168..4320, 4214..4426, 4228..4386, 4259..4621, 4273..4584, 4313..4522, 4351..4494, 4472..4834, 4570..4668, 4571..4759, 4574..4963, 4606..4899, 4649..4876, 4682..5050, 4748..5155, 4859..5086, 4889..5275, 4970..5179, 4991..5077, 5006..5362, 5057..5296, 5111..5461, 5111..5179, 5174..5371, 5216..5563, 5243..5506, 5257..5508, 5339..5671, 5384..5599, 5444..5674, 14388..14474, 14388..14486, 14388..14456, 14388..14462, 14490..14570, 14502..14540, 14556..14822, 14559..14735, 14559..14936, 14562..14735, 14562..14726, 14567..14932, 14577..14657, 14579..14731, 14625..14837, 14639..14797, 14670..15032, 14684..14995, 14724..14933, 14739..14858, 14762..14905, 14787..15164, 14883..15245, 14982..15170, 14985..15374, 15024..15287, 15165..15290, 15270..15437, 15300..15437, 15442..15681, 15442..15540, 15445..15708, 15448..15660, 15496..15684, 15559..15720, 16694..16909, 16694..16816, 16694..16861, 16739..16930, 16799..17029, 19661..19840, 19661..19801, 19778..19942, 19853..19963, 19874..19960, 19979..20161, 19985..20155, 19988..20122, 19988..20155, 19991..20029, 20024..20155, 20220..20432, 20220..20501, 20235..20621, 20316..20525, 20352..20708, 20403..20642, 20457..20807, 20520..20747, 20562..20900, 20589..20852, 20603..20854, 20730..20921, 20790..21020		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73

Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o6.tm	Method	TBLASTX:Maize
Start	3851	End	19966
GI	none	Score	43
Exons	3851..3925, 3872..4063, 3878..4042, 3950..4042, 14385..14552, 14387..14551, 19844..19966		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o1.ts	Method	TBLASTX:Soybean
Start	3923	End	21152
GI	none	Score	83
Exons	3923..4042, 3956..4042, 4073..4726, 4073..4291, 4076..4594, 4079..4411, 4079..4396, 4091..4711, 4147..4524, 4157..4525, 4162..4395, 4190..4372, 4271..5131, 4364..4726, 4481..5353, 4586..5362, 4679..4888, 4787..5155, 4918..5097, 4922..5671, 4925..5098, 4931..5566, 4942..5256, 5005..5133, 5030..5203, 5111..5719, 5113..5247, 5201..5635, 5204..5635, 5339..5806, 5441..5734, 5444..5707, 14388..14486, 14388..14486, 14493..14537, 14499..14561, 14553..14822, 14553..15122, 14556..14627, 14559..15137, 14561..14935, 14568..14936, 14601..14783, 14682..15437, 14775..15137, 14811..14984, 14877..15242, 15090..15299, 15273..15314, 15442..15588, 15442..15720, 15442..15633, 15445..15711, 15472..15711, 15496..15693, 16667..17089, 16694..17161, 19655..19810, 19685..19960, 19841..19969, 19850..19966, 19874..19966, 19979..20113, 19988..20170, 20002..20121, 20220..20594, 20229..20501, 20232..20699, 20232..20708, 20264..20434, 20268..20981, 20271..20444, 20277..20912, 20288..20602, 20318..20593, 20352..20708, 20376..20549, 20457..21080, 20459..20593, 20550..20993, 20561..20887, 20685..21152		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o2.tm	Method	TBLASTX:Maize
Start	4073	End	21131
GI	none	Score	181
Exons	4073..4489, 4091..4594, 4136..4279, 4293..4463, 4294..4761, 4295..4804, 4316..4792, 4324..4488, 4511..5014, 4610..5119, 4736..5224, 4820..5287, 4840..5121, 4925..5413, 5036..5539, 5135..5659, 5240..5707, 5345..5713, 5431..5556, 14553..15005, 14553..14780, 14559..14690, 14601..15116, 14704..15117, 14705..15163, 14706..15221, 14727..15203, 14735..14899, 14811..15314, 14922..15425, 15021..15437, 15445..15717, 15445..15711, 15445..15609, 15526..15711, 16694..17062, 16697..17014, 16700..17140, 19661..19843, 19970..20095, 19979..20137, 20012..20137, 20201..20407, 20220..20570, 20220..20666, 20232..20471, 20271..20759, 20325..20549, 20382..20885, 20385..20588, 20487..21005, 20586..21053, 20691..21131, 20692..20823		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152

Name	OJ000350_17.0310.C73.o4.tm	Method	TBLASTX:Maize
Start	6401	End	7158
GI	none	Score	86
Exons	6401..6481, 6402..6473, 6803..7150, 6815..6976, 6829..7154, 6831..7154, 6832..7158		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o5.tm	Method	TBLASTX:Maize
Start	9055	End	9316
GI	none	Score	84
Exons	9055..9153, 9055..9120, 9122..9220, 9135..9251, 9136..9255, 9136..9255, 9254..9316, 9255..9305, 9278..9307		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o2.tc	Method	TBLASTX:Cress
Start	10329	End	11386
GI	none	Score	117
Exons	10329..10538, 11144..11365, 11145..11336, 11147..11386		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o3.tm	Method	TBLASTX:Maize
Start	10425	End	11416
GI	none	Score	78
Exons	10425..10487, 11138..11416, 11138..11416		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93324	Strand	-
Start	11971	End	21152
Name	OJ000350_17.0310.C73.o3.gs	Method	GENSCAN
Start	11971	End	12600
GI	none	Score	.72
Exons	11971..12012, 12553..12600		

Seq. No.	44300	Seq. ID	OJ000350_17.0310.C73
Gene No.	93325	Strand	
Start	23316	End	25181
Name	OJ000350_17.0310.C73.o1.tm	Method	TBLASTX:Maize
Start	23316	End	25181
GI	none	Score	52
Exons	23316..23411, 23321..23395, 23322..23405, 23486..23743, 23494..23778, 23494..23742, 23846..23986, 23847..24035, 23847..23984, 23848..23985, 23849..23986, 23923..23973, 23926..23985, 23931..24104, 23974..24102, 23990..24106, 24002..24103, 24005..24100, 24008..24103, 24009..24104, 24010..24099, 24010..24102, 24011..24103, 24011..24106, 24011..24103, 24011..24091, 24012..24104, 24012..24116, 24012..24104, 24012..24104, 24012..24092, 24012..24104, 24014..24121, 24014..24103, 24023..24082, 24104..24178, 24107..24202, 24107..24175, 24107..24202, 24107..24190, 24107..24178, 24107..24175, 24108..24170, 24108..24185, 24108..24194, 24108..24194, 24108..24188, 24109..24195,		

24109..24171, 24113..24199, 24115..24195, 24115..24195,
25120..25179, 25125..25181

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93326	Strand	+
Start	445	End	3473
Name	OJ000350_17.0310.C74.o1.gs	Method	GENSCAN
Start	445	End	3473
GI	none	Score	.55
Exons	445..731, 1170..1225, 1468..1678, 3363..3473		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93326	Strand	+
Start	445	End	3473
Name	OJ000350_17.0310.C74.o1.gp	Method	AAT/GAP
Start	564	End	1935
GI	none	Score	1174
Exons	564..731, 1170..1225, 1309..1401, 1500..1935		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93327	Strand	+
Start	11364	End	24416
Name	OJ000350_17.0310.C74.o5.gs	Method	GENSCAN
Start	11364	End	24416
GI	none	Score	.45
Exons	11364..11395, 11988..12154, 13665..13794, 13941..14030, 14395..14421, 14558..15079, 16451..16573, 16690..16860, 17034..17163, 17416..17628, 17948..18119, 18339..18542, 18685..18723, 19320..19399, 19987..20404, 20872..21031, 21135..21409, 21592..21797, 24254..24416		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93327	Strand	+
Start	11364	End	24416
Name	OJ000350_17.0310.C74.o1.np	Method	AAT/NAP
Start	14412	End	17850
GI	7529754	Score	1421
Exons	14412..15079, 15172..15271, 16446..16573, 16690..16860, 17034..17163, 17416..17625, 17715..17850		
GI Descrip.	(AL163527) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93327	Strand	+
Start	11364	End	24416
Name	OJ000350_17.0310.C74.o2.np	Method	AAT/NAP
Start	19226	End	22805
GI	6041808	Score	1156
Exons	19226..19399, 19987..20449, 20872..21031, 21135..21396, 21576..21835, 22757..22805		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93327	Strand	+
Start	11364	End	24416
Name	OJ000350_17.0310.C74.o3.gp	Method	AAT/GAP
Start	21135	End	21412
GI	3107389	Score	541

Exons	21135..21412		
GI Descrip.	3559805/emb|CAA07251| 3.0e-21 (AJ006787) putative phytochelatin synthetase [Arabidopsis thaliana]		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93328	Strand	-
Start	4725	End	5398
Name	OJ000350_17.0310.C74.o2.gs	Method	GENSCAN
Start	4725	End	5398
GI	none	Score	.94
Exons	4725..4872, 5173..5232, 5343..5398		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93329	Strand	-
Start	5924	End	7245
Name	OJ000350_17.0310.C74.o3.gs	Method	GENSCAN
Start	5924	End	7245
GI	none	Score	.52
Exons	5924..5935, 6547..6991, 7142..7245		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93330	Strand	-
Start	8561	End	9713
Name	OJ000350_17.0310.C74.o4.tm	Method	TBLASTX:Maize
Start	415	End	1673
GI	none	Score	81
Exons	415..474, 420..476, 435..476, 479..553, 492..563, 492..575, 493..603, 582..674, 587..667, 589..675, 678..731, 683..733, 1144..1224, 1167..1217, 1326..1427, 1327..1428, 1476..1673, 1502..1663		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93330	Strand	-
Start	8561	End	9713
Name	OJ000350_17.0310.C74.o4.gs	Method	GENSCAN
Start	8561	End	9713
GI	none	Score	.76
Exons	8561..8625, 9632..9713		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o1.tm	Method	TBLASTX:Maize
Start	14415	End	16830
GI	none	Score	92
Exons	14415..14477, 14417..14575, 14417..14572, 14571..14678, 14577..14678, 14596..14679, 14670..14789, 14670..14789, 14782..14862, 14784..14864, 14788..14862, 14842..15075, 14843..15079, 14868..15080, 14868..15086, 15169..15270, 15172..15267, 15173..15271, 15176..15271, 16418..16498, 16448..16513, 16448..16513, 16449..16514, 16449..16544, 16517..16573, 16518..16574, 16518..16607, 16689..16814, 16691..16828, 16813..16830		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837

Name	OJ000350_17.0310.C74.o3.ts	Method	TBLASTX:Soybean
Start	14865	End	15270
GI	none	Score	254
Exons	14865..15080, 14876..14992, 14892..15095, 15169..15270, 15173..15268		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o3.tc	Method	TBLASTX:Cress
Start	14874	End	15258
GI	none	Score	222
Exons	14874..15077, 14876..14986, 14892..15125, 15172..15258, 15173..15256		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o2.tc	Method	TBLASTX:Cress
Start	16448	End	17088
GI	none	Score	158
Exons	16448..16573, 16449..16574, 16684..16866, 16691..16867, 16691..16867, 17029..17088		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o2.ts	Method	TBLASTX:Soybean
Start	16475	End	17616
GI	none	Score	151
Exons	16475..16573, 16476..16574, 16691..16867, 16703..16867, 17025..17147, 17028..17165, 17029..17172, 17036..17179, 17036..17167, 17407..17616, 17415..17615		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o2.tw	Method	TBLASTX:Wheat
Start	16691	End	17139
GI	none	Score	186
Exons	16691..16867, 17035..17139, 17043..17138		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o3.tm	Method	TBLASTX:Maize
Start	17027	End	17837
GI	none	Score	164
Exons	17027..17164, 17028..17165, 17029..17172, 17406..17609, 17407..17625, 17413..17610, 17688..17831, 17712..17837, 17713..17835		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93331	Strand	
Start	14415	End	17837
Name	OJ000350_17.0310.C74.o4.tc	Method	TBLASTX:Cress
Start	17089	End	17627

GI	none	Score	101
Exons	17089..17172, 17413..17625, 17413..17610, 17421..17627		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93332	Strand	
Start	19280	End	21840
Name	OJ000350_17.0310.C74.o1.ts	Method	TBLASTX:Soybean
Start	19280	End	21393
GI	none	Score	141
Exons	19280..19396, 19310..19396, 19954..20139, 19986..20141, 20128..20487, 20148..20438, 20850..21029, 20873..21031, 20873..21028, 21099..21338, 21137..21343, 21139..21393, 21139..21390		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93332	Strand	
Start	19280	End	21840
Name	OJ000350_17.0310.C74.o2.tm	Method	TBLASTX:Maize
Start	19310	End	21797
GI	none	Score	73
Exons	19310..19396, 19311..19382, 19317..19400, 19319..19396, 19954..20133, 19986..20132, 20128..20487, 20139..20483, 20850..21002, 20869..20997, 20870..21007, 20873..21001, 21136..21393, 21136..21384, 21174..21398, 21588..21698, 21593..21676, 21702..21797, 21723..21797		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93332	Strand	
Start	19280	End	21840
Name	OJ000350_17.0310.C74.o1.tc	Method	TBLASTX:Cress
Start	20022	End	21797
GI	none	Score	158
Exons	20022..20132, 20023..20133, 20128..20511, 20148..20483, 20847..21029, 20871..20978, 21192..21389, 21193..21393, 21198..21398, 21588..21692, 21593..21664, 21705..21797, 21752..21796		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93332	Strand	
Start	19280	End	21840
Name	OJ000350_17.0310.C74.o1.tw	Method	TBLASTX:Wheat
Start	20939	End	21327
GI	none	Score	110
Exons	20939..21031, 20940..21029, 21087..21326, 21088..21327, 21136..21327		

Seq. No.	44301	Seq. ID	OJ000350_17.0310.C74
Gene No.	93332	Strand	
Start	19280	End	21840
Name	OJ000350_17.0310.C74.o4.ts	Method	TBLASTX:Soybean
Start	21585	End	21840
GI	none	Score	142
Exons	21585..21692, 21589..21690, 21590..21691, 21591..21692, 21592..21702, 21705..21797, 21709..21840, 21720..21797		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93333	Strand	+

Start	1	End	7210
Name	OJ000350_17.0310.C75.o1.np	Method	AAT/NAP
Start	1	End	3153
GI	6598804	Score	775
Exons	1..73, 228..365, 1057..1154, 1239..1336, 2579..2708, 2797..2984, 3083..3153		
GI Descrip.	(AF024504) similar to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93333	Strand	+
Start	1	End	7210
Name	OJ000350_17.0310.C75.o1.gs	Method	GENSCAN
Start	285	End	7210
GI	none	Score	.45
Exons	285..365, 1057..1154, 1239..1336, 2579..2708, 2797..2984, 3083..3103, 5128..5761, 5888..5999, 6122..6238, 6342..6656, 6872..7210		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93333	Strand	+
Start	1	End	7210
Name	OJ000350_17.0310.C75.o2.np	Method	AAT/NAP
Start	5334	End	7207
GI	6862952	Score	1151
Exons	5334..5468, 5584..5761, 5888..6006, 6129..6238, 6342..6656, 6872..7207		
GI Descrip.	(AC019018) putative G protein-coupled receptor [Arabidopsis thaliana]		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93333	Strand	+
Start	1	End	7210
Name	OJ000350_17.0310.C75.o2.gp	Method	AAT/GAP
Start	5851	End	6429
GI	699937	Score	624
Exons	5851..5999, 6122..6238, 6342..6429		
GI Descrip.	4454471/gb|AAD20918| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93334	Strand	-
Start	3764	End	4187
Name	OJ000350_17.0310.C75.o1.gp	Method	AAT/GAP
Start	3764	End	4187
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	3764..3861, 4157..4187		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o4.ts	Method	TBLASTX:Soybean
Start	293	End	1335
GI	none	Score	127

Exons	293..370, 294..359, 1056..1142, 1056..1154, 1057..1155, 1069..1167, 1236..1334, 1237..1335, 1237..1335		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o1.tc	Method	TBLASTX:Cress
Start	1066	End	3147
GI	none	Score	74
Exons	1066..1152, 1069..1161, 1239..1331, 1240..1332, 2577..2708, 2578..2694, 2798..2833, 2888..3001, 2902..2994, 3081..3137, 3082..3147		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o1.tm	Method	TBLASTX:Maize
Start	1245	End	3183
GI	none	Score	130
Exons	1245..1334, 1246..1335, 1249..1335, 2556..2708, 2578..2694, 2797..2994, 2798..3001, 3081..3182, 3082..3183		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o1.ts	Method	TBLASTX:Soybean
Start	2593	End	3156
GI	none	Score	172
Exons	2593..2694, 2594..2665, 2601..2705, 2601..2708, 2797..2994, 2798..3001, 2870..2998, 3081..3149, 3082..3156, 3085..3150		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o5.tm	Method	TBLASTX:Maize
Start	5318	End	6196
GI	none	Score	79
Exons	5318..5386, 5319..5381, 5397..5468, 5401..5469, 5600..5680, 5666..5692, 5694..5762, 5696..5761, 5882..6007, 5889..6002, 6120..6194, 6120..6194, 6121..6195, 6122..6196		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o5.ts	Method	TBLASTX:Soybean
Start	5886	End	6659
GI	none	Score	88
Exons	5886..6011, 6148..6231, 6149..6247, 6396..6554, 6396..6527, 6398..6553, 6554..6649, 6555..6659		
Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o2.tm	Method	TBLASTX:Maize
Start	6341	End	6650
GI	none	Score	213
Exons	6341..6649, 6343..6621, 6345..6650		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o2.tc	Method	TBLASTX:Cress
Start	6890	End	7204
GI	none	Score	165
Exons	6890..7084, 7109..7204		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o3.tm	Method	TBLASTX:Maize
Start	6931	End	7201
GI	none	Score	442
Exons	6931..7197, 6932..7201, 6938..7201		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o2.ts	Method	TBLASTX:Soybean
Start	6943	End	7216
GI	none	Score	340
Exons	6943..7209, 6944..7216		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o3.gp	Method	AAT/GAP
Start	7877	End	8467
GI	uC-osroM202031e06b1	Score	856
Exons	7877..8258, 8388..8467		
GI Descrip.	'4454471/gb|AAD20918| 2.0e-21 (AC006234) putative G protein coupled receptor [Arabidopsis thaliana]'		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o4.tm	Method	TBLASTX:Maize
Start	8010	End	8648
GI	none	Score	74
Exons	8010..8111, 8018..8224, 8025..8120, 8147..8221, 8378..8623, 8379..8648, 8413..8625, 8418..8639		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o2.gs	Method	GENSCAN
Start	8012	End	8623
GI	none	Score	.94
Exons	8012..8258, 8388..8623		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o3.np	Method	AAT/NAP
Start	8015	End	8867

GI	1354849	Score	440
Exons	8015..8258, 8388..8623, 8766..8867		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o3.ts	Method	TBLASTX:Soybean
Start	8165	End	8626
GI	none	Score	212
Exons	8165..8230, 8385..8471, 8387..8623, 8388..8624, 8390..8626, 8503..8625		

Seq. No.	44302	Seq. ID	OJ000350_17.0310.C75
Gene No.	93335	Strand	-
Start	8012	End	8867
Name	OJ000350_17.0310.C75.o1.tw	Method	TBLASTX:Wheat
Start	8418	End	8639
GI	none	Score	196
Exons	8418..8639, 8420..8623		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93336	Strand	+
Start	947	End	1131
Name	OJ000350_17.0310.C76.o1.gp	Method	AAT/GAP
Start	947	End	1131
GI	none	Score	358
Exons	947..1131		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93337	Strand	+
Start	1761	End	6302
Name	OJ000350_17.0310.C76.o2.gs	Method	GENSCAN
Start	1761	End	5505
GI	none	Score	.75
Exons	1761..1929, 3931..4020, 4704..5083, 5170..5505		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93337	Strand	+
Start	1761	End	6302
Name	OJ000350_17.0310.C76.o2.gp	Method	AAT/GAP
Start	4354	End	4815
GI	uC-osroM202010h09b1	Score	601
Exons	4354..4579, 4704..4815		
GI Descrip.	'407938 4.0e-10 (U02494) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93337	Strand	+
Start	1761	End	6302
Name	OJ000350_17.0310.C76.o2.np	Method	AAT/NAP
Start	4510	End	6287
GI	1354849	Score	791
Exons	4510..4584, 4715..5083, 5170..5405, 6044..6287		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93337	Strand	+

Start	1761	End	6302
Name	OJ000350_17.0310.C76.o3.gs	Method	GENSCAN
Start	5982	End	6302
GI	none	Score	.5
Exons	5982..6302		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93338	Strand	+
Start	6246	End	6502
Name	OJ000350_17.0310.C76.o3.gp	Method	AAT/GAP
Start	6246	End	6502
GI	3762144	Score	447
Exons	6246..6502		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o4.gs	Method	GENSCAN
Start	7557	End	10474
GI	none	Score	.74
Exons	7557..7631, 7976..8146, 8606..8750, 8838..9055, 9652..9813, 9896..10131, 10219..10474		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o4.gp	Method	AAT/GAP
Start	8592	End	9943
GI	32946_1.R1084	Score	1097
Exons	8592..8750, 8838..9055, 9652..9813, 9896..9943		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o3.np	Method	AAT/NAP
Start	8681	End	13760
GI	1354849	Score	800
Exons	8681..8752, 8846..9055, 12955..13116, 13194..13429, 13517..13760		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o5.gp	Method	AAT/GAP
Start	10358	End	10702
GI	none	Score	643
Exons	10358..10702		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o5.gs	Method	GENSCAN
Start	11940	End	17377
GI	none	Score	.63
Exons	11940..12260, 12280..12432, 12702..12735, 13156..13429,		

13517..13611, 15617..15766, 15921..16138, 16558..16719,
16879..17033, 17122..17377

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o6.gp	Method	AAT/GAP
Start	12005	End	12435
GI	32946_1.R1084	Score	572
Exons	12005..12121, 12215..12435		
GI Descrip.	'1354849/gb|AAB02006| 2.0e-38 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o7.gp	Method	AAT/GAP
Start	15595	End	16091
GI	uC-osroM202016f07b1	Score	654
Exons	15595..15766, 15921..16091		
GI Descrip.	'1354849/gb|AAB02006| 3.0e-23 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93339	Strand	+
Start	7557	End	17377
Name	OJ000350_17.0310.C76.o4.np	Method	AAT/NAP
Start	15697	End	17365
GI	1354849	Score	797
Exons	15697..15774, 15935..16138, 16558..16719, 16798..17033, 17122..17365		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93340	Strand	-
Start	1	End	884
Name	OJ000350_17.0310.C76.o1.np	Method	AAT/NAP
Start	1	End	881
GI	1354849	Score	350
Exons	1..224, 495..703, 809..881		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93340	Strand	-
Start	1	End	884
Name	OJ000350_17.0310.C76.o1.gs	Method	GENSCAN
Start	134	End	884
GI	none	Score	.71
Exons	134..224, 495..712, 812..884		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o1.ts	Method	TBLASTX:Soybean
Start	63	End	17218
GI	none	Score	89
Exons	63..95, 126..224, 127..225, 4924..5040, 4925..5029, 5051..5071,		

5163..5399, 5164..5406, 6063..6140, 9648..9764, 9649..9771,
9781..9810, 9886..10131, 9889..10017, 9893..10132, 9897..10142,
10217..10315, 10261..10314, 12951..13052, 12958..13056,
13084..13113, 13182..13427, 13187..13315, 13190..13429,
13191..13430, 13515..13613, 16561..16659, 16687..16716,
16786..17031, 16788..17033, 16795..17034, 16943..17041,
17120..17218, 17164..17217

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o1.tw	Method	TBLASTX:Wheat
Start	63	End	17003
GI	none	Score	110

Exons 63..167, 4966..5067, 4976..5071, 5164..5373, 5169..5375,
9705..9809, 9706..9810, 9708..9827, 9879..10094, 9889..10095,
9893..10099, 9898..10101, 13008..13112, 13012..13113,
13024..13119, 13191..13397, 13196..13399, 16612..16722,
16614..16775, 16615..16716, 16781..16888, 16795..17001,
16800..17003

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o2.tm	Method	TBLASTX:Maize
Start	69	End	16659
GI	none	Score	82

Exons 69..95, 129..227, 133..228, 495..713, 514..714, 810..896,
811..873, 851..901, 4495..4608, 4498..4575, 4524..4583,
4700..4804, 4701..4802, 4706..4864, 4711..5052, 4916..5053,
5051..5071, 8675..8752, 8689..8751, 8834..9055, 8837..8989,
9651..9776, 9652..9783, 9781..9807, 9783..9809, 12043..12090,
12044..12091, 12093..12128, 12205..12432, 12211..12432,
12952..13056, 12954..13055, 13084..13110, 13086..13112,
15670..15768, 15717..15767, 15917..15988, 15919..16053,
15920..16066, 16555..16659, 16557..16658

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o1.tc	Method	TBLASTX:Cress
Start	492	End	16063
GI	none	Score	71

Exons 492..713, 565..714, 810..878, 4489..4605, 4718..4864,
4723..4854, 4925..5002, 8687..8752, 8836..8979, 8852..8992,
12229..12435, 12234..12338, 15919..16053, 15935..16063

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o2.ts	Method	TBLASTX:Soybean
Start	492	End	16069
GI	none	Score	110

Exons 492..698, 514..684, 789..872, 4717..4854, 4718..4867,
8690..8752, 8851..8979, 8852..8989, 8855..9061, 12092..12142,
12174..12281, 12229..12435, 12232..12435, 15934..16053,
15935..16069

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o2.tw	Method	TBLASTX:Wheat
Start	510	End	16069
GI	none	Score	111
Exons	510..713, 514..714, 810..890, 811..873, 4516..4608, 4524..4583, 4700..4804, 4701..4802, 4706..4867, 4711..4857, 8662..8688, 8678..8752, 8680..8751, 8834..9037, 8835..8936, 8837..9001, 12029..12091, 12031..12090, 12091..12123, 12093..12128, 12211..12414, 12212..12313, 12214..12417, 15670..15768, 15717..15767, 15917..15991, 15918..15989, 15919..16056, 15920..16069		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o1.tm	Method	TBLASTX:Maize
Start	5167	End	17376
GI	none	Score	344
Exons	5167..5406, 5169..5399, 5206..5403, 6036..6170, 6038..6295, 6042..6296, 9893..10132, 9893..10123, 9898..10131, 10208..10462, 10208..10459, 10216..10473, 13191..13430, 13196..13504, 13515..13772, 13521..13757, 13544..13765, 16795..17034, 16795..17025, 16800..17045, 17111..17365, 17111..17365, 17149..17376		

Seq. No.	44303	Seq. ID	OJ000350_17.0310.C76
Gene No.	93341	Strand	-
Start	17118	End	17537
Name	OJ000350_17.0310.C76.o8.gp	Method	AAT/GAP
Start	17118	End	17537
GI	uC-osroM202016f07a1	Score	749
Exons	17118..17537		
GI Descrip.	'1354849/gb|AAB02006| 1.0e-11 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44304	Seq. ID	OJ000350_17.0310.C77
Gene No.	93342	Strand	+
Start	1	End	118
Name	OJ000350_17.0310.C77.o1.np	Method	AAT/NAP
Start	1	End	118
GI	1354849	Score	100
Exons	1..118		
GI Descrip.	(U57350) epoxide hydrolase [Nicotiana tabacum]		

Seq. No.	44304	Seq. ID	OJ000350_17.0310.C77
Gene No.	93343	Strand	+
Start	20	End	130
Name	OJ000350_17.0310.C77.o1.gs	Method	GENSCAN
Start	20	End	130
GI	none	Score	.81
Exons	20..130		

Seq. No.	44304	Seq. ID	OJ000350_17.0310.C77
Gene No.	93344	Strand	-

Start	1	End	290
Name	OJ000350_17.0310.C77.o1.gp	Method	AAT/GAP
Start	1	End	290
GI	uC-osroM202016f07a1	Score	572
Exons	1..290		
GI Descrip.	'1354849/gb|AAB02006| 1.0e-11 (U57350) epoxide hydrolase [Nicotiana tabacum]'		

Seq. No.	44305	Seq. ID	OJ000350_17.0310.C78
Gene No.	93345	Strand	-
Start	434	End	1577
Name	OJ000350_17.0310.C78.o1.gs	Method	GENSCAN
Start	434	End	1577
GI	none	Score	.81
Exons	434..568, 1241..1351, 1500..1577		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o1.tm	Method	TBLASTX:Maize
Start	657	End	2288
GI	none	Score	720
Exons	657..896, 665..1585, 667..1404, 672..1586, 694..1587, 701..1588, 1477..1908, 1525..1683, 1573..1905, 2029..2160, 2193..2288		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o1.tc	Method	TBLASTX:Cress
Start	666	End	1875
GI	none	Score	268
Exons	666..893, 685..1236, 700..1266, 701..1276, 1522..1647, 1525..1683, 1678..1860, 1693..1875		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o1.gs	Method	GENSCAN
Start	679	End	2117
GI	none	Score	.97
Exons	679..2117		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o1.np	Method	AAT/NAP
Start	682	End	2288
GI	7242905	Score	2240
Exons	682..1268, 1425..2288		
GI Descrip.	(AP001383) EST D28292(R0844) corresponds to a region of the predicted gene.; Similar to putative pre-mRNA splicing factor. (AF071527) [Oryza sativa]		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o2.ts	Method	TBLASTX:Soybean

Start	693	End	1030
GI	none	Score	388
Exons	693..896, 700..1029, 701..1030		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	1911
GI	none	Score	470
Exons	1030..1233, 1066..1398, 1156..1503, 1210..1497, 1258..1398, 1303..1383, 1312..1911, 1361..1909		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o4.tc	Method	TBLASTX:Cress
Start	1279	End	1522
GI	none	Score	132
Exons	1279..1398, 1292..1522, 1294..1521		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o3.tc	Method	TBLASTX:Cress
Start	1876	End	2088
GI	none	Score	159
Exons	1876..2088, 1877..2080		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o2.tm	Method	TBLASTX:Maize
Start	1909	End	2187
GI	none	Score	94
Exons	1909..2028, 1913..1978, 1972..2028, 2161..2187		

Seq. No.	44306	Seq. ID	OJ000350_17.0310.C79
Gene No.	93346	Strand	-
Start	679	End	2288
Name	OJ000350_17.0310.C79.o2.tc	Method	TBLASTX:Cress
Start	2090	End	2288
GI	none	Score	94
Exons	2090..2161, 2090..2161, 2092..2181, 2126..2281, 2144..2281, 2160..2288, 2193..2288, 2214..2282		

Seq. No.	44307	Seq. ID	OJ000350_17.0310.C80
Gene No.	93347	Strand	-
Start	1	End	1407
Name	OJ000350_17.0310.C80.o1.np	Method	AAT/NAP
Start	1	End	1407
GI	7242905	Score	1903
Exons	1..1175, 1230..1407		
GI Descrip.	(AP001383) EST D28292(R0844) corresponds to a region of the predicted gene.; Similar to putative pre-mRNA splicing factor. (AF071527) [Oryza sativa]		

Seq. No.	44307	Seq. ID	OJ000350_17.0310.C80
Gene No.	93348	Strand	-
Start	3282	End	3342
Name	OJ000350_17.0310.C80.o1.tm	Method	TBLASTX:Maize
Start	65	End	337
GI	none	Score	324
Exons	65..328, 67..330, 67..336, 68..337		

Seq. No.	44307	Seq. ID	OJ000350_17.0310.C80
Gene No.	93348	Strand	-
Start	3282	End	3342
Name	OJ000350_17.0310.C80.o1.tc	Method	TBLASTX:Cress
Start	67	End	519
GI	none	Score	219
Exons	67..351, 68..352, 217..393, 223..387, 394..516, 403..519		

Seq. No.	44307	Seq. ID	OJ000350_17.0310.C80
Gene No.	93348	Strand	-
Start	3282	End	3342
Name	OJ000350_17.0310.C80.o2.gs	Method	GENSCAN
Start	3282	End	3342
GI	none	Score	.48
Exons	3282..3342		

Seq. No.	44308	Seq. ID	OJ000350_17.0310.C81
Gene No.	93349	Strand	+
Start	1	End	2701
Name	OJ000350_17.0310.C81.o1.np	Method	AAT/NAP
Start	1	End	2701
GI	7267251	Score	841
Exons	1..126, 813..881, 1064..1152, 1323..1435, 1620..1721, 2430..2701		
GI Descrip.	(AL161502) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44308	Seq. ID	OJ000350_17.0310.C81
Gene No.	93349	Strand	+
Start	1	End	2701
Name	OJ000350_17.0310.C81.o1.gs	Method	GENSCAN
Start	95	End	1847
GI	none	Score	.72
Exons	95..126, 813..881, 1064..1152, 1323..1435, 1620..1721, 1776..1847		

Seq. No.	44308	Seq. ID	OJ000350_17.0310.C81
Gene No.	93349	Strand	+
Start	1	End	2701
Name	OJ000350_17.0310.C81.o1.ts	Method	TBLASTX:Soybean
Start	2355	End	2600
GI	none	Score	144
Exons	2355..2435, 2357..2434, 2365..2439, 2432..2599, 2432..2599, 2433..2600		

Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o1.np	Method	AAT/NAP
Start	1	End	3079
GI	7267251	Score	1598

Exons	1..399, 804..1422, 1507..1586, 2212..2294, 2834..3079		
GI Descrip.	(AL161502) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o1.gs	Method	GENSCAN
Start	42	End	3070
GI	none	Score	.84
Exons	42..399, 804..1422, 1507..1586, 2212..2294, 2834..3070		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o1.gp	Method	AAT/GAP
Start	277	End	1129
GI	uC-osflM202089e01b1	Score	870
Exons	277..399, 804..1129		
GI Descrip.	'4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]'		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o1.ts	Method	TBLASTX:Soybean
Start	934	End	1297
GI	none	Score	72
Exons	934..1005, 947..1015, 1037..1297, 1054..1296		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o1.tm	Method	TBLASTX:Maize
Start	1166	End	2294
GI	none	Score	425
Exons	1166..1426, 1169..1420, 1177..1422, 1504..1563, 1505..1585, 1511..1582, 2173..2292, 2210..2293, 2229..2294		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o3.ts	Method	TBLASTX:Soybean
Start	1298	End	1585
GI	none	Score	157
Exons	1298..1426, 1300..1422, 1500..1562, 1501..1584, 1504..1563, 1505..1585, 1511..1585		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+
Start	1	End	3079
Name	OJ000350_17.0310.C82.o2.tm	Method	TBLASTX:Maize
Start	2833	End	3058
GI	none	Score	41
Exons	2833..2865, 2840..2866, 2888..3058, 2890..3057		
Seq. No.	44309	Seq. ID	OJ000350_17.0310.C82
Gene No.	93350	Strand	+

Start	1	End	3079
Name	OJ000350_17.0310.C82.o2.ts	Method	TBLASTX:Soybean
Start	2839	End	3076
GI	none	Score	305
Exons	2839..3051, 2840..3076		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+
Start	354	End	4977
Name	OJ000350_17.0310.C83.o1.gs	Method	GENSCAN
Start	354	End	4977
GI	none	Score	.78
Exons	354..366, 387..542, 698..827, 918..1212, 1624..1800, 2269..2652, 2967..3115, 3352..3418, 4330..4369, 4913..4977		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+
Start	354	End	4977
Name	OJ000350_17.0310.C83.o1.np	Method	AAT/NAP
Start	355	End	2712
GI	7267251	Score	1113
Exons	355..576, 683..1212, 1624..1800, 2269..2712		
GI Descrip.	(AL161502) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+
Start	354	End	4977
Name	OJ000350_17.0310.C83.o1.gp	Method	AAT/GAP
Start	977	End	1766
GI	LIB3433-056-P1-K1-F5	Score	647
Exons	977..1212, 1624..1766		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-19 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+
Start	354	End	4977
Name	OJ000350_17.0310.C83.o2.gp	Method	AAT/GAP
Start	2538	End	3318
GI	25586_1.R1084	Score	1310
Exons	2538..2652, 2769..3318		
GI Descrip.	'4325342/gb|AAD17341| 1.0e-11 (AF128393) No definition line found [Arabidopsis thaliana]'		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+
Start	354	End	4977
Name	OJ000350_17.0310.C83.o2.np	Method	AAT/NAP
Start	2720	End	4064
GI	6630699	Score	83
Exons	2720..2739, 3991..4064		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93351	Strand	+

Start	354	End	4977
Name	OJ000350_17.0310.C83.o3.gp	Method	AAT/GAP
Start	3980	End	4341
GI	LIB3479-006-Q6-K1-B11	Score	493
Exons	3980..4341		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93352	Strand	+
Start	6154	End	9863
Name	OJ000350_17.0310.C83.o4.np	Method	AAT/NAP
Start	6154	End	9863
GI	3738308	Score	956
Exons	6154..6315, 6352..6485, 6576..6660, 7330..7460, 7561..7663, 8278..8411, 8539..8741, 8864..8938, 9667..9863		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93352	Strand	+
Start	6154	End	9863
Name	OJ000350_17.0310.C83.o4.gp	Method	AAT/GAP
Start	6410	End	8630
GI	5667191	Score	1153
Exons	6410..6485, 6576..6660, 7330..7460, 7561..7663, 8278..8423, 8546..8630		
GI Descrip.	4249402 2.0e-84 (AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93352	Strand	+
Start	6154	End	9863
Name	OJ000350_17.0310.C83.o3.gs	Method	GENSCAN
Start	8332	End	9783
GI	none	Score	.57
Exons	8332..8423, 8546..8625, 8832..8938, 9667..9783		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93353	Strand	-
Start	4203	End	5973
Name	OJ000350_17.0310.C83.o3.np	Method	AAT/NAP
Start	4203	End	5973
GI	5922620	Score	139
Exons	4203..4310, 4475..4742, 5906..5973		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o4.tm	Method	TBLASTX:Maize
Start	734	End	1022
GI	none	Score	305
Exons	734..1015, 734..781, 735..1022		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o1.tm	Method	TBLASTX:Maize
Start	1117	End	2936
GI	none	Score	93
Exons	1117..1215, 1122..1157, 1158..1217, 1621..1800, 1623..1799, 2263..2493, 2264..2494, 2266..2496, 2497..2652, 2499..2648, 2757..2813, 2766..2816, 2767..2838, 2768..2827, 2819..2935, 2820..2936		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o5.ts	Method	TBLASTX:Soybean
Start	1660	End	1800
GI	5753471	Score	212
Exons	1660..1800, 1662..1799, 1666..1800		
GI Descrip.	4325342/gb_AAD17341_ 3.0e-31 (AF128393) No definition line found [Arabidopsis thaliana]		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o1.tw	Method	TBLASTX:Wheat
Start	2288	End	2816
GI	none	Score	191
Exons	2288..2401, 2290..2400, 2403..2648, 2403..2648, 2404..2652, 2404..2652, 2766..2816, 2766..2813, 2768..2815		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o1.ts	Method	TBLASTX:Soybean
Start	2349	End	2918
GI	none	Score	90
Exons	2349..2393, 2350..2424, 2359..2412, 2467..2652, 2487..2648, 2503..2652, 2766..2918, 2766..2900, 2768..2917		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o2.gs	Method	GENSCAN
Start	6037	End	6678
GI	none	Score	.58
Exons	6037..6678		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o3.tm	Method	TBLASTX:Maize
Start	6082	End	7437
GI	none	Score	44
Exons	6082..6111, 6183..6239, 6184..6303, 6199..6276, 6343..6375, 6345..6374, 6379..6498, 6577..6660, 6577..6660, 7328..7435, 7329..7436, 7330..7437		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o4.ts	Method	TBLASTX:Soybean
Start	6184	End	6663
GI	none	Score	65
Exons	6184..6228, 6253..6291, 6397..6498, 6577..6660, 6580..6663		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o2.tc	Method	TBLASTX:Cress
Start	6187	End	7404
GI	none	Score	65
Exons	6187..6240, 6373..6498, 6577..6660, 6577..6660, 7325..7396, 7329..7397, 7329..7397, 7330..7404		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o3.ts	Method	TBLASTX:Soybean
Start	7332	End	8612
GI	none	Score	102
Exons	7332..7406, 7333..7407, 7404..7451, 7405..7461, 7556..7594, 7560..7592, 7564..7593, 7597..7665, 7598..7672, 7598..7672, 8266..8403, 8289..8396, 8544..8612		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o2.tm	Method	TBLASTX:Maize
Start	7438	End	8920
GI	none	Score	41
Exons	7438..7461, 7438..7461, 7554..7664, 7558..7671, 7562..7666, 7806..7823, 8275..8424, 8275..8427, 8301..8429, 8545..8751, 8546..8740, 8547..8762, 8863..8916, 8864..8920, 8867..8917		

Seq. No.	44310	Seq. ID	OJ000350_17.0310.C83
Gene No.	93354	Strand	-
Start	6037	End	8920
Name	OJ000350_17.0310.C83.o1.tc	Method	TBLASTX:Cress
Start	7616	End	8747
GI	none	Score	74
Exons	7616..7672, 8275..8394, 8277..8393, 8445..8483, 8556..8669, 8579..8668, 8633..8722, 8670..8732, 8670..8747		

Seq. No.	44311	Seq. ID	OJ000350_17.0310.C85
Gene No.	93355	Strand	-
Start	68	End	890
Name	OJ000350_17.0310.C85.o1.gs	Method	GENSCAN
Start	68	End	790
GI	none	Score	.57
Exons	68..790		

Seq. No.	44311	Seq. ID	OJ000350_17.0310.C85
Gene No.	93355	Strand	-

Start	68	End	890
Name	OJ000350_17.0310.C85.o1.np	Method	AAT/NAP
Start	291	End	890
GI	6742729	Score	926
Exons	291..890		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	44312	Seq. ID	OJ000350_17.0310.C95
Gene No.	93356	Strand	+
Start	1	End	670
Name	OJ000350_17.0310.C95.o1.gp	Method	AAT/GAP
Start	1	End	670
GI	uC-osflm202106f07b1	Score	233
Exons	1..51, 572..670		
GI Descrip.	'4249402 4.0e-10 (AC006072) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44313	Seq. ID	OJ000350_17.0310.C99
Gene No.	93357	Strand	-
Start	419	End	798
Name	OJ000350_17.0310.C99.o1.gs	Method	GENSCAN
Start	419	End	798
GI	none	Score	.55
Exons	419..718, 730..798		

Seq. No.	44314	Seq. ID	OJ000350_17.0310.C109
Gene No.	93358	Strand	+
Start	1	End	775
Name	OJ000350_17.0310.C109.o1.np	Method	AAT/NAP
Start	1	End	775
GI	5852180	Score	47
Exons	1..93, 753..775		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44314	Seq. ID	OJ000350_17.0310.C109
Gene No.	93358	Strand	+
Start	1	End	775
Name	OJ000350_17.0310.C109.o2.np	Method	AAT/NAP
Start	1	End	386
GI	4680186	Score	207
Exons	1..38, 155..386		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44315	Seq. ID	OJ000350_17.0310.C111
Gene No.	93360	Strand	+
Start	1	End	736
Name	OJ000350_17.0310.C111.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6069646	Score	356
Exons	1..127, 292..736		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44315	Seq. ID	OJ000350_17.0310.C111

Gene No.	93360	Strand	+
Start	1	End	736
Name	OJ000350_17.0310.C111.o1.gs	Method	GENSCAN
Start	273	End	572
GI	none	Score	.66
Exons	273..572		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93361	Strand	+
Start	7582	End	10259
Name	OJ000210_18.0310.C2.o3.gp	Method	AAT/GAP
Start	7315	End	7713
GI	none	Score	696
Exons	7315..7713		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93361	Strand	+
Start	7582	End	10259
Name	OJ000210_18.0310.C2.o2.np	Method	AAT/NAP
Start	7570	End	10244
GI	6686396	Score	2015
Exons	7570..9111, 9705..10244		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93361	Strand	+
Start	7582	End	10259
Name	OJ000210_18.0310.C2.o2.gs	Method	GENSCAN
Start	7582	End	10259
GI	none	Score	.65
Exons	7582..9111, 9203..9226, 9765..10259		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93362	Strand	+
Start	17300	End	18743
Name	OJ000210_18.0310.C2.o4.np	Method	AAT/NAP
Start	17300	End	18743
GI	4544450	Score	853
Exons	17300..18743		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93363	Strand	+
Start	19191	End	20426
Name	OJ000210_18.0310.C2.o5.np	Method	AAT/NAP
Start	19191	End	20426
GI	2623622	Score	53
Exons	19191..19334, 19616..19702, 20363..20426		
GI Descrip.	(AF028840) Kruppel-associated box protein [Homo sapiens]		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93364	Strand	-
Start	262	End	643
Name	OJ000210_18.0310.C2.o1.gp	Method	AAT/GAP
Start	262	End	643
GI	1808_1.R1084	Score	707
Exons	262..643		

GI Descrip.	'2244797/emb|CAB10220.1| 1.0e-22 (Z97336) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93365	Strand	-
Start	1118	End	5684
Name	OJ000210_18.0310.C2.o2.gp	Method	AAT/GAP
Start	835	End	5495
GI	890_1.R1084	Score	2414
Exons	835..1383, 1477..1549, 2641..2733, 2911..3012, 3241..3377, 3503..3620, 3916..4036, 5392..5495		
GI Descrip.	'3885880 1.0e-173 (AF093628) protochlorophyllide reductase homolog [Oryza sativa]'		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93365	Strand	-
Start	1118	End	5684
Name	OJ000210_18.0310.C2.o1.gs	Method	GENSCAN
Start	1118	End	5684
GI	none	Score	.86
Exons	1118..1383, 1757..1853, 2641..2733, 2911..3012, 3241..3377, 3503..3620, 3916..4036, 5392..5498, 5592..5684		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93365	Strand	-
Start	1118	End	5684
Name	OJ000210_18.0310.C2.o1.np	Method	AAT/NAP
Start	1121	End	5489
GI	3885880	Score	1514
Exons	1121..1383, 1477..1549, 2641..2733, 2911..3012, 3241..3377, 3503..3620, 3916..4036, 5392..5489		
GI Descrip.	(AF093628) protochlorophyllide reductase homolog [Oryza sativa]		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o4.tm	Method	TBLASTX:Maize
Start	1124	End	3013
GI	none	Score	179
Exons	1124..1375, 1130..1384, 1131..1388, 1255..1392, 1471..1512, 1475..1549, 1476..1550, 2636..2737, 2641..2736, 2904..2972, 2908..2961, 2959..3012, 2969..3013		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	1127	End	1339
GI	none	Score	55
Exons	1127..1204, 1127..1336, 1134..1334, 1253..1339		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o6.tc	Method	TBLASTX:Cress
Start	1130	End	1324
GI	none	Score	143

Exons	1130..1324, 1131..1313		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o6.ts	Method	TBLASTX:Soybean
Start	1502	End	3599
GI	none	Score	62
Exons	1502..1549, 1503..1562, 2636..2734, 2641..2736, 2908..3012, 2915..3013, 3238..3357, 3269..3379, 3325..3378, 3504..3599, 3505..3579		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o6.tm	Method	TBLASTX:Maize
Start	3238	End	3623
GI	none	Score	171
Exons	3238..3378, 3242..3379, 3490..3621, 3503..3622, 3504..3623, 3504..3623		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o7.tm	Method	TBLASTX:Maize
Start	5395	End	5576
GI	none	Score	126
Exons	5395..5511, 5397..5576		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	7641	End	14161
GI	none	Score	402
Exons	7641..8027, 7642..8022, 7998..8306, 8005..8313, 13315..13425, 13509..13706, 13509..13706, 13513..13722, 13728..13784, 13859..13930, 13882..14160, 13952..14161		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	7668	End	14190
GI	none	Score	352
Exons	7668..7952, 7672..7989, 7974..8276, 8023..8283, 8272..8619, 8286..8582, 8686..8967, 8697..8960, 12575..12835, 12941..13171, 13059..13202, 13279..13356, 13345..13413, 13509..13715, 13518..13715, 13879..14190, 13883..13930, 13990..14109		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o2.tc	Method	TBLASTX:Cress
Start	7780	End	14026
GI	none	Score	266
Exons	7780..7986, 7782..7985, 8017..8217, 8025..8207, 8299..8322,		

13513..13701, 13515..13784, 13740..13772, 13859..13930,
13882..14022, 13982..14026

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	8313	End	13202
GI	none	Score	330
Exons	8313..8552, 8314..8553, 12992..13171, 13002..13202, 13013..13192, 13059..13202		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o4.tc	Method	TBLASTX:Cress
Start	8407	End	13133
GI	none	Score	250
Exons	8407..8619, 8421..8582, 12920..13132, 13059..13133		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	8554	End	12991
GI	none	Score	62
Exons	8554..8628, 8650..9150, 8700..9122, 9708..9836, 9846..10163, 9965..10180, 11969..12286, 11970..12311, 12290..12859, 12291..12530, 12386..12631, 12582..12869, 12920..12991		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o3.tc	Method	TBLASTX:Cress
Start	8851	End	12727
GI	none	Score	150
Exons	8851..8973, 8862..8951, 8959..9165, 9015..9122, 9705..9791, 9792..9875, 9954..10190, 9965..10225, 11969..12181, 12356..12529, 12357..12527, 12572..12727		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	9015	End	12529
GI	none	Score	147
Exons	9015..9122, 9016..9123, 9705..9767, 9710..9766, 9792..9956, 9794..9862, 9963..10235, 9965..10222, 11898..11966, 11969..12172, 12003..12167, 12293..12334, 12365..12529, 12372..12509		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	9813	End	12181
GI	none	Score	65

Exons	9813..9875, 9954..10244, 9962..10243, 11889..11960, 11890..11955, 11969..12181, 12000..12167		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o4.gp	Method	AAT/GAP
Start	11709	End	13691
GI	29119_1.R1084	Score	3345
Exons	11709..13199, 13283..13417, 13516..13691		
GI Descrip.	'5733874/gb|AAD49762.1|AC007932_10 4.0e-92 (AC007932) F11A17.8 [Arabidopsis thaliana]'		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o3.gs	Method	GENSCAN
Start	11879	End	14193
GI	none	Score	.97
Exons	11879..13199, 13283..13417, 13516..13771, 13860..14193		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o3.np	Method	AAT/NAP
Start	11886	End	15346
GI	5733874	Score	1445
Exons	11886..13199, 13283..13417, 13516..13771, 13860..14208, 15304..15346		
GI Descrip.	(AC007932) F11A17.8 [Arabidopsis thaliana]		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93366	Strand	-
Start	11879	End	15346
Name	OJ000210_18.0310.C2.o4.gs	Method	GENSCAN
Start	14437	End	14992
GI	none	Score	.56
Exons	14437..14448, 14669..14786, 14922..14992		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	17308	End	18684
GI	none	Score	67
Exons	17308..17397, 17527..17754, 17530..17754, 17532..17678, 17533..17706, 17683..17940, 17704..17880, 17764..18162, 17770..17880, 17863..18684, 17866..18195, 17889..17936, 17988..18050, 17988..18185, 17999..18064, 18067..18243, 18111..18302, 18145..18360, 18480..18683		

Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	17344	End	18378
GI	none	Score	143

Exons	17344..17697, 17470..17754, 17526..17702, 17527..18150, 17724..17930, 17743..18093, 17865..17933, 17890..18093, 17974..18249, 17991..18152, 18157..18273, 18277..18378		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	17425	End	18297
GI	none	Score	107
Exons	17425..17754, 17469..17702, 17704..17934, 17821..18297, 17842..18150, 18009..18296, 18118..18258, 18181..18297		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o5.ts	Method	TBLASTX:Soybean
Start	17569	End	18135
GI	none	Score	81
Exons	17569..17703, 17761..17943, 17769..17930, 17973..18134, 17983..18135		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	18154	End	18672
GI	none	Score	320
Exons	18154..18672, 18286..18390, 18387..18668		
Seq. No.	44316	Seq. ID	OJ000210_18.0310.C2
Gene No.	93367	Strand	
Start	17308	End	18686
Name	OJ000210_18.0310.C2.o5.tc	Method	TBLASTX:Cress
Start	18385	End	18686
GI	none	Score	202
Exons	18385..18684, 18504..18686		
Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93368	Strand	+
Start	325	End	578
Name	OJ000210_18.0310.C3.o1.np	Method	AAT/NAP
Start	325	End	578
GI	2130159	Score	414
Exons	325..578		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi|902275|emb|CAA60340| (X86563) ORF85 [Zea mays] gi|902296|emb|CAA60360| (X86563) ORF85 [Zea mays]		
Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93369	Strand	+
Start	795	End	2047
Name	OJ000210_18.0310.C3.o4.np	Method	AAT/NAP
Start	795	End	2047
GI	1173189	Score	153
Exons	795..885, 1782..1937, 2013..2047		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 gi|2119091|pir||S58629		

ribosomal protein S12 - maize chloroplast gi|342619 (M17841) ribosomal protein S12 [Zea mays] gi|1216141|emb|CAA60309| (X86563) ribosomal protein S12 [Zea mays]

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93369	Strand	+
Start	795	End	2047
Name	OJ000210_18.0310.C3.o3.np	Method	AAT/NAP
Start	1220	End	2047
GI	6723798	Score	141
Exons	1220..1395, 2013..2047		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723825|emb|CAB67236.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93369	Strand	+
Start	795	End	2047
Name	OJ000210_18.0310.C3.o2.gp	Method	AAT/GAP
Start	1947	End	2047
GI	306_9.R1084	Score	173
Exons	1947..2047		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	11	End	1157
GI	none	Score	123
Exons	11..76, 12..83, 13..84, 13..84, 14..85, 78..149, 87..140, 92..151, 94..153, 179..235, 180..236, 186..236, 187..237, 231..260, 239..262, 239..262, 278..370, 291..323, 324..371, 325..372, 325..372, 386..430, 391..498, 438..554, 443..664, 444..554, 585..779, 593..667, 669..701, 670..705, 698..778, 798..869, 826..882, 833..880, 834..887, 834..881, 844..963, 879..959, 881..970, 1032..1061, 1037..1063, 1050..1157, 1070..1156		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o3.tm	Method	TBLASTX:Maize
Start	17	End	144
GI	none	Score	176
Exons	17..142, 19..144, 21..143, 22..144		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o2.np	Method	AAT/NAP
Start	774	End	1141
GI	6723799	Score	337
Exons	774..969, 1031..1141		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723824|emb|CAB67235.1| (AJ271079) hypothetical protein		

[Oenothera elata subsp. hookeri]

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	806	End	1913
GI	none	Score	88
Exons	806..883, 815..880, 816..887, 816..881, 855..941, 879..968, 884..943, 1031..1084, 1095..1154, 1101..1157, 1102..1176, 1182..1238, 1183..1278, 1184..1240, 1185..1241, 1186..1251, 1234..1287, 1238..1288, 1294..1320, 1295..1321, 1314..1379, 1316..1381, 1453..1515, 1503..1538, 1504..1545, 1544..1576, 1545..1577, 1546..1584, 1596..1643, 1600..1650, 1602..1694, 1606..1695, 1607..1729, 1607..1696, 1706..1825, 1711..1836, 1712..1822, 1716..1826, 1717..1836, 1772..1912, 1812..1913		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o1.gp	Method	AAT/GAP
Start	996	End	1938
GI	183_5.R1084	Score	1747
Exons	996..1938		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	998	End	1947
GI	none	Score	391
Exons	998..1240, 998..1291, 1234..1299, 1236..1298, 1239..1304, 1240..1302, 1297..1356, 1298..1381, 1299..1382, 1433..1528, 1441..1578, 1443..1580, 1576..1821, 1577..1828, 1578..1826, 1800..1937, 1801..1947, 1811..1936, 1818..1937		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o2.tc	Method	TBLASTX:Cress
Start	1443	End	1938
GI	none	Score	53
Exons	1443..1478, 1443..1484, 1460..1528, 1470..1544, 1474..1518, 1534..1587, 1545..1577, 1582..1650, 1586..1702, 1587..1703, 1594..1707, 1595..1711, 1661..1822, 1706..1825, 1711..1836, 1716..1826, 1717..1836, 1772..1936, 1813..1938		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93370	Strand	-
Start	774	End	1947
Name	OJ000210_18.0310.C3.o1.tw	Method	TBLASTX:Wheat

Start	1793	End	1947
GI	none	Score	200
Exons	1793..1828, 1799..1936, 1800..1937, 1812..1937, 1813..1947, 1813..1938		

Seq. No.	44317	Seq. ID	OJ000210_18.0310.C3
Gene No.	93371	Strand	
Start	1948	End	2047
Name	OJ000210_18.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	1948	End	2047
GI	none	Score	177
Exons	1948..2046, 1948..2046, 1949..2047		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o1.gs	Method	GENSCAN
Start	13	End	1889
GI	none	Score	.42
Exons	13..44, 818..903, 1720..1889		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o1.np	Method	AAT/NAP
Start	738	End	867
GI	1334366	Score	146
Exons	738..867		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o2.np	Method	AAT/NAP
Start	867	End	935
GI	82521	Score	112
Exons	867..935		
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|2130153|pir||S58624 hypothetical protein 23 - maize chloroplast gi|12043|emb|CAA33946| (X15901) ORF23 [Oryza sativa] gi|12059|emb|CAA33914| (X15901) ORF23 [Oryza sativa] gi|902278|emb|CAA60343| (X86563) ORF23 [Zea mays] gi|902293|emb|CAA60357| (X86563) ORF23 [Zea mays] gi|226662|prf||1603356CN ORF		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o4.np	Method	AAT/NAP
Start	1471	End	3473
GI	225252	Score	193
Exons	1471..1713, 3452..3473		
GI Descrip.	ORF 350 [Nicotiana tabacum]		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601

Name	OJ000210_18.0310.C4.o5.np	Method	AAT/NAP
Start	2058	End	2246
GI	82533	Score	328
Exons	2058..2246		
GI Descrip.	hypothetical 7.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi|12044|emb|CAA33947| (X15901) ORF63 [Oryza sativa] gi|12058|emb|CAA33913| (X15901) ORF63 [Oryza sativa] gi|226664|prf||1603356CQ ORF 63A [Oryza sativa]		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o1.gp	Method	AAT/GAP
Start	2302	End	2726
GI	5886_1.R1084	Score	778
Exons	2302..2726		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o6.np	Method	AAT/NAP
Start	2669	End	2924
GI	133799	Score	226
Exons	2669..2924		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S15 gi|70994|pir||R3RZ15 ribosomal protein S15 - rice chloroplast gi|12045|emb|CAA33948| (X15901) ribosomal protein S15 [Oryza sativa] gi|12057|emb|CAA33912| (X15901) ribosomal protein S15 [Oryza sativa] gi|226665|prf||1603356CR ribosomal protein S15 [Oryza sativa]		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93372	Strand	+
Start	13	End	3601
Name	OJ000210_18.0310.C4.o2.gs	Method	GENSCAN
Start	3298	End	3601
GI	none	Score	.77
Exons	3298..3405, 3593..3601		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	205
GI	none	Score	307
Exons	1..201, 4..192, 5..205, 5..205		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o3.tm	Method	TBLASTX:Maize
Start	1	End	241
GI	none	Score	310
Exons	1..192, 2..208, 2..217, 81..212, 203..241		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o1.tc	Method	TBLASTX:Cress
Start	154	End	660
GI	none	Score	55
Exons	154..201, 154..192, 250..357, 254..331, 265..357, 314..508, 332..511, 333..509, 544..594, 545..595, 583..657, 604..660		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o1.ts	Method	TBLASTX:Soybean
Start	592	End	913
GI	none	Score	82
Exons	592..642, 594..644, 735..824, 737..829, 740..826, 827..901, 830..913, 831..911		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o1.tm	Method	TBLASTX:Maize
Start	621	End	899
GI	none	Score	150
Exons	621..707, 621..707, 622..714, 623..715, 699..845, 701..826, 705..857, 791..898, 824..898, 828..899		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93373	Strand	-
Start	1034	End	1258
Name	OJ000210_18.0310.C4.o3.np	Method	AAT/NAP
Start	1034	End	1258
GI	82227	Score	233
Exons	1034..1258		
GI Descrip.	hypothetical protein 75 - common tobacco chloroplast gi|11786|emb|CAA26288| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi|11880|emb|CAA77393| (Z00044) hypothetical protein [Nicotiana tabacum] gi|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi|1223679|emb|CAA77400| (Z00044) hypothetical protein [Nicotiana tabacum] gi|225251|prf||1211235CK ORF 75 [Ni		

Seq. No.	44318	Seq. ID	OJ000210_18.0310.C4
Gene No.	93374	Strand	
Start	2352	End	2622
Name	OJ000210_18.0310.C4.o2.tm	Method	TBLASTX:Maize
Start	2352	End	2622
GI	none	Score	256
Exons	2352..2573, 2352..2465, 2353..2574, 2468..2521, 2471..2521, 2563..2619, 2563..2622		

Seq. No.	44319	Seq. ID	OJ000210_18.0310.C5
Gene No.	93375	Strand	+
Start	10	End	2935
Name	OJ000210_18.0310.C5.o1.gs	Method	GENSCAN
Start	10	End	2935
GI	none	Score	.92

Exons	10..544, 629..703, 778..895, 1111..1228, 1427..1525, 1618..1917, 1994..2101, 2226..2297, 2363..2449, 2670..2741, 2846..2935		
Seq. No.	44319	Seq. ID	OJ000210_18.0310.C5
Gene No.	93375	Strand	+
Start	10	End	2935
Name	OJ000210_18.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	1409	End	1815
GI	none	Score	187
Exons	1409..1561, 1413..1526, 1424..1534, 1617..1805, 1618..1815, 1618..1815		
Seq. No.	44319	Seq. ID	OJ000210_18.0310.C5
Gene No.	93375	Strand	+
Start	10	End	2935
Name	OJ000210_18.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	1468	End	2457
GI	none	Score	82
Exons	1468..1557, 1472..1561, 1617..1913, 1618..1917, 2018..2101, 2213..2299, 2217..2300, 2354..2449, 2360..2452, 2362..2457		
Seq. No.	44319	Seq. ID	OJ000210_18.0310.C5
Gene No.	93375	Strand	+
Start	10	End	2935
Name	OJ000210_18.0310.C5.o1.gp	Method	AAT/GAP
Start	1655	End	2698
GI	none	Score	957
Exons	1655..1917, 1994..2101, 2226..2297, 2363..2449, 2670..2698		
Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93376	Strand	+
Start	1	End	237
Name	OJ000210_18.0310.C6.o1.gp	Method	AAT/GAP
Start	1	End	237
GI	8182_1.R1084	Score	445
Exons	1..237		
GI Descrip.	'1261857/dbj|D29966|RICCA 3.0e-21 Rice CatA gene for catalase, complete cds'		
Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o2.gp	Method	AAT/GAP
Start	729	End	3319
GI	82_1.R1084	Score	3634
Exons	729..1118, 1468..2070, 2157..2957, 3246..3319		
GI Descrip.	'2130069/pir||S70588 0.0e+00 catalase (EC 1.11.1.6) catA - rice >gi_1261858_dbj_BAA06232_ (D29966) catalase [Oryza sativa]'		
Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	1050	End	2970
GI	none	Score	222
Exons	1050..1130, 1468..1821, 1547..1819, 1816..2019, 1835..1945, 2148..2966, 2149..2970		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.gs	Method	GENSCAN
Start	1059	End	4466
GI	none	Score	.9
Exons	1059..1118, 1468..2070, 2157..2957, 3246..3269, 3406..3539, 4381..4466		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	1059	End	2970
GI	none	Score	351
Exons	1059..1130, 1468..2019, 1487..1945, 2148..2966, 2149..2970		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	1059	End	2970
GI	none	Score	68
Exons	1059..1121, 1468..1560, 1468..2019, 1484..1945, 1804..2040, 1806..2027, 2148..2966, 2149..2970		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.np	Method	AAT/NAP
Start	1062	End	2972
GI	2130069	Score	2580
Exons	1062..1118, 1468..2070, 2157..2972		
GI Descrip.	catalase (EC 1.11.1.6) catA - rice gi|1261858|dbj|BAA06232.1| (D29966) catalase [Oryza sativa]		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	1633	End	2543
GI	none	Score	382
Exons	1633..1692, 1672..2019, 1673..1945, 1798..2043, 2009..2071, 2148..2543, 2149..2541		

Seq. No.	44320	Seq. ID	OJ000210_18.0310.C6
Gene No.	93377	Strand	-
Start	1059	End	4466
Name	OJ000210_18.0310.C6.o2.tw	Method	TBLASTX:Wheat
Start	2682	End	2970
GI	none	Score	365
Exons	2682..2966, 2683..2970		

Seq. No.	44321	Seq. ID	OJ000210_18.0310.C7
Gene No.	93378	Strand	+
Start	1	End	1056

Name	OJ000210_18.0310.C7.o1.np	Method	AAT/NAP
Start	1	End	1056
GI	5852093	Score	88
Exons	1..26, 914..1056		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93379	Strand	+
Start	316	End	4318
Name	OJ000210_18.0310.C8.o1.gs	Method	GENSCAN
Start	316	End	4318
GI	none	Score	.6
Exons	316..368, 2543..2718, 3903..3934, 4028..4080, 4085..4318		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.gp	Method	AAT/GAP
Start	7262	End	11161
GI	697_1.R1084	Score	4601
Exons	7262..8073, 8159..8241, 8349..8503, 8599..9077, 9374..9616, 9708..9922, 10008..10275, 10996..11161		
GI Descrip.	'2267006 0.0e+00 (AF006825) endosperm lumenal binding protein [Oryza sativa]'		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o2.gs	Method	GENSCAN
Start	7569	End	18202
GI	none	Score	.8
Exons	7569..8073, 8159..8241, 8349..8503, 8599..8830, 8929..9077, 9374..9616, 9708..9922, 10008..10275, 10996..11203, 11266..11424, 12771..12972, 15738..15861, 17989..18202		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.np	Method	AAT/NAP
Start	7572	End	11044
GI	7441868	Score	3064
Exons	7572..8073, 8159..8241, 8349..8503, 8599..9077, 9374..9616, 9708..9922, 10008..10275, 10996..11044		
GI Descrip.	dnaK-type molecular chaperone BiP - rice gi|2267006|gb|AAB63469.1| (AF006825) endosperm lumenal binding protein [Oryza sativa]		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	7635	End	10298
GI	none	Score	224
Exons	7635..7676, 7797..8075, 7822..8100, 8158..8241, 8159..8242, 8159..8242, 8161..8247, 8341..8505, 8346..8504, 8347..8508, 8348..8506, 8561..8854, 8600..8683, 8721..8849, 8724..8855, 8725..8850, 8846..8935, 8851..8991, 8851..9078, 9041..9079,		

9371..9529, 9372..9617, 9373..9612, 9556..9627, 9581..9637,
9709..9924, 9710..9874, 9802..9921, 9807..9956, 10007..10291,
10008..10277, 10032..10298

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	7635	End	11050
GI	none	Score	303
Exons	7635..7727, 7797..8075, 7819..8076, 7969..8076, 8016..8090, 8033..8107, 8158..8241, 8159..8242, 8160..8243, 8341..8505, 8346..8504, 8347..8508, 8348..8506, 8561..8854, 8600..8683, 8718..8849, 8735..8851, 8810..8995, 8820..8996, 8851..9078, 9041..9079, 9044..9082, 9371..9544, 9372..9617, 9373..9618, 9556..9627, 9702..9752, 9709..9924, 9710..9874, 9804..9923, 9997..10209, 10005..10277, 10007..10285, 10008..10286, 10962..11045, 10973..11050, 10973..11044		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	7635	End	10277
GI	none	Score	60
Exons	7635..7676, 7797..7952, 7828..7875, 7914..8075, 7945..8076, 7969..8076, 8158..8241, 8159..8242, 8341..8505, 8346..8504, 8561..8854, 8599..8637, 8600..8683, 8718..8849, 8738..8851, 8822..8989, 8846..8938, 8850..8987, 8851..8988, 8851..9078, 9039..9083, 9044..9082, 9371..9544, 9372..9617, 9373..9612, 9556..9627, 9581..9619, 9709..9924, 9710..9874, 9712..9921, 10006..10275, 10007..10276, 10008..10277		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o2.tw	Method	TBLASTX:Wheat
Start	7641	End	9826
GI	none	Score	117
Exons	7641..7727, 7812..8075, 7948..8076, 7969..8076, 8150..8242, 8158..8253, 8159..8245, 8341..8505, 8346..8504, 8561..8845, 8618..8680, 8721..8849, 8845..8988, 8845..8943, 9372..9491, 9373..9504, 9376..9504, 9495..9617, 9496..9612, 9504..9614, 9562..9627, 9572..9646, 9709..9825, 9710..9826		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202
Name	OJ000210_18.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	9846	End	11053
GI	none	Score	104
Exons	9846..9923, 9847..9924, 9848..9925, 10005..10277, 10007..10285, 10008..10286, 10988..11053, 10991..11047		

Seq. No.	44322	Seq. ID	OJ000210_18.0310.C8
Gene No.	93380	Strand	-
Start	7569	End	18202

Name	OJ000210_18.0310.C8.o2.np	Method	AAT/NAP
Start	11825	End	12405
GI	7228450	Score	214
Exons	11825..11938, 12042..12180, 12320..12405		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	44323	Seq. ID	OJ000210_18.0310.C9
Gene No.	93381	Strand	+
Start	1	End	2737
Name	OJ000210_18.0310.C9.o1.np	Method	AAT/NAP
Start	1	End	2737
GI	7340881	Score	519
Exons	1..42, 135..226, 294..596, 2029..2135, 2240..2270, 2700..2737		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44323	Seq. ID	OJ000210_18.0310.C9
Gene No.	93382	Strand	-
Start	2504	End	2737
Name	OJ000210_18.0310.C9.o1.gp	Method	AAT/GAP
Start	2504	End	2737
GI	3760343	Score	441
Exons	2504..2737		

Seq. No.	44324	Seq. ID	OJ000210_18.0310.C10
Gene No.	93383	Strand	-
Start	1	End	929
Name	OJ000210_18.0310.C10.o1.np	Method	AAT/NAP
Start	1	End	929
GI	7299186	Score	53
Exons	1..22, 301..494, 871..929		
GI Descrip.	(AE003683) CG16779 gene product [Drosophila melanogaster]		

Seq. No.	44324	Seq. ID	OJ000210_18.0310.C10
Gene No.	93383	Strand	-
Start	1	End	929
Name	OJ000210_18.0310.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	504
GI	none	Score	64
Exons	2..73, 216..308, 216..296, 219..326, 220..294, 297..482, 318..500, 336..401, 337..504, 339..407, 414..473		

Seq. No.	44324	Seq. ID	OJ000210_18.0310.C10
Gene No.	93383	Strand	-
Start	1	End	929
Name	OJ000210_18.0310.C10.o1.gp	Method	AAT/GAP
Start	79	End	850
GI	3760342	Score	1503
Exons	79..850		
GI Descrip.	644871 1.0e-10 (U20272) DNA/RNA-binding protein [Homo sapiens]		

Seq. No.	44324	Seq. ID	OJ000210_18.0310.C10
Gene No.	93383	Strand	-
Start	1	End	929
Name	OJ000210_18.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	222	End	501
GI	none	Score	73
Exons	222..296, 319..501, 321..485, 336..401		

Seq. No.	44324	Seq. ID	OJ000210_18.0310.C10
Gene No.	93383	Strand	-
Start	1	End	929
Name	OJ000210_18.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	228	End	495
GI	none	Score	139
Exons	228..308, 316..495, 318..482, 325..495		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93384	Strand	+
Start	5685	End	6159
Name	OJ000210_18.0310.C12.o2.gs	Method	GENSCAN
Start	5685	End	6159
GI	none	Score	.94
Exons	5685..5805, 5858..6159		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93385	Strand	+
Start	11668	End	12167
Name	OJ000210_18.0310.C12.o5.gp	Method	AAT/GAP
Start	11668	End	12167
GI	none	Score	690
Exons	11668..12167		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93386	Strand	-
Start	1	End	3064
Name	OJ000210_18.0310.C12.o1.np	Method	AAT/NAP
Start	1	End	3064
GI	584893	Score	1532
Exons	1..380, 601..751, 837..980, 1588..1707, 2467..2635, 2766..3064		
GI Descrip.	SERINE CARBOXYPEPTIDASE III PRECURSOR gi|283002|pir||S22530 carboxypeptidase C (EC 3.4.16.5) precursor - rice gi|218153|dbj|BAA01757.1| (D10985) serine carboxypeptidase III [Oryza sativa]		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93386	Strand	-
Start	1	End	3064
Name	OJ000210_18.0310.C12.o1.gp	Method	AAT/GAP
Start	313	End	1624
GI	23631_1.R1084	Score	698
Exons	313..380, 601..751, 837..980, 1588..1624		
GI Descrip.	'584893/sp|P37891|CBP3_ORYSA 0.0e+00 SERINE CARBOXYPEPTIDASE III PRECURSOR >gi_283002_pir__S22530 carboxypeptidase III (EC 3.4.16.-) - rice >gi_218153_dbj_BAA01757_ (D10985) serine carboxypeptidase III [Oryza sativa]'		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93386	Strand	-
Start	1	End	3064
Name	OJ000210_18.0310.C12.o1.gs	Method	GENSCAN
Start	601	End	3064
GI	none	Score	.83
Exons	601..751, 837..980, 1588..1833, 2467..2635, 2766..3064		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93386	Strand	-
Start	1	End	3064
Name	OJ000210_18.0310.C12.o2.gp	Method	AAT/GAP
Start	2577	End	3056
GI	1632072	Score	626
Exons	2577..2635, 2766..3056		
GI Descrip.	584893/sp|P37891|CBP3_ORYSA 3.0e-39 SERINE CARBOXYPEPTIDASE III PRECURSOR >gi_283002_pir__S22530 carboxypeptidase III (EC 3.4.16.-) - rice >gi_218153_dbj_BAA01757_ (D10985) serine carboxypeptidase III [Oryza sativa]		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93387	Strand	-
Start	6717	End	9352
Name	OJ000210_18.0310.C12.o3.gp	Method	AAT/GAP
Start	6692	End	7192
GI	23156_1.R1084	Score	976
Exons	6692..7192		
GI Descrip.	'584893/sp|P37891|CBP3_ORYSA 3.0e-39 SERINE CARBOXYPEPTIDASE III PRECURSOR >gi_283002_pir__S22530 carboxypeptidase III (EC 3.4.16.-) - rice >gi_218153_dbj_BAA01757_ (D10985) serine carboxypeptidase III [Oryza sativa]'		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93387	Strand	-
Start	6717	End	9352
Name	OJ000210_18.0310.C12.o3.gs	Method	GENSCAN
Start	6717	End	7592
GI	none	Score	.99
Exons	6717..7592		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93387	Strand	-
Start	6717	End	9352
Name	OJ000210_18.0310.C12.o2.np	Method	AAT/NAP
Start	6729	End	9236
GI	7485589	Score	1418
Exons	6729..7601, 8610..9236		
GI Descrip.	hypothetical protein F16M14.4 - Arabidopsis thaliana gi|3335359|gb|AAC27160.1| (AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93387	Strand	-
Start	6717	End	9352
Name	OJ000210_18.0310.C12.o4.gp	Method	AAT/GAP
Start	9040	End	9352
GI	5003117	Score	472
Exons	9040..9352		
GI Descrip.	3335359 3.0e-10 (AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o1.tw	Method	TBLASTX:Wheat

Start	313	End	755
GI	none	Score	105
Exons	313..387, 313..381, 333..431, 562..747, 599..751, 600..752, 600..755, 601..753		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o2.tc	Method	TBLASTX:Cress
Start	313	End	2602
GI	none	Score	60
Exons	313..381, 323..427, 593..754, 599..751, 600..758, 836..982, 837..983, 838..975, 843..983, 1576..1812, 1587..1688, 1588..1710, 2453..2602, 2461..2601		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o2.ts	Method	TBLASTX:Soybean
Start	313	End	2644
GI	none	Score	72
Exons	313..381, 314..409, 599..634, 626..751, 627..758, 678..752, 837..983, 838..975, 1576..1812, 1587..1688, 1594..1800, 2453..2644, 2461..2643		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o2.tm	Method	TBLASTX:Maize
Start	599	End	2999
GI	none	Score	218
Exons	599..751, 600..758, 600..758, 811..981, 837..983, 837..983, 1585..1812, 1587..1709, 1595..1741, 2461..2631, 2468..2626, 2551..2634, 2593..2637, 2765..2902, 2915..2998, 2916..2999		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o2.tw	Method	TBLASTX:Wheat
Start	2602	End	12955
GI	none	Score	73
Exons	2602..2634, 2771..2923, 2822..2878, 2828..3067, 2922..3068, 12893..12955		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	6696	End	9224
GI	none	Score	101
Exons	6696..6899, 6700..6879, 6876..7313, 6877..7302, 7356..7553, 8598..8675, 8608..8676, 8728..8850, 8790..8861, 8838..9017, 8841..9224, 9112..9210		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135

Name	OJ000210_18.0310.C12.o3.tm	Method	TBLASTX:Maize
Start	6744	End	7136
GI	none	Score	134
Exons	6744..6899, 6745..6900, 6876..7136, 6877..6990, 7024..7122		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o1.tc	Method	TBLASTX:Cress
Start	6747	End	7136
GI	none	Score	97
Exons	6747..6884, 6751..6885, 6876..6950, 6877..6948, 6930..7136, 6952..7119		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o5.tm	Method	TBLASTX:Maize
Start	7195	End	8669
GI	none	Score	69
Exons	7195..7302, 7197..7313, 7251..7313, 7356..7553, 7372..7524, 8583..8669, 8608..8667		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o3.tc	Method	TBLASTX:Cress
Start	7356	End	7604
GI	none	Score	208
Exons	7356..7604		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	11958	End	12705
GI	none	Score	73
Exons	11958..12050, 11958..12050, 11959..12051, 12054..12557, 12121..12558, 12296..12565, 12658..12705, 12660..12704		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o3.np	Method	AAT/NAP
Start	11964	End	13135
GI	6850902	Score	583
Exons	11964..12558, 12661..13135		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o4.tm	Method	TBLASTX:Maize
Start	12705	End	12949
GI	none	Score	256
Exons	12705..12944, 12706..12945, 12710..12949, 12755..12949		

Seq. No.	44325	Seq. ID	OJ000210_18.0310.C12
Gene No.	93388	Strand	-
Start	11964	End	13135
Name	OJ000210_18.0310.C12.o6.gp	Method	AAT/GAP
Start	12910	End	13111
GI	2796853	Score	268
Exons	12910..13111		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93389	Strand	+
Start	1056	End	6499
Name	OJ000210_18.0310.C13.o1.gs	Method	GENSCAN
Start	1056	End	6499
GI	none	Score	.82
Exons	1056..1356, 3074..3191, 3353..3897, 4311..5241, 5345..5513, 6010..6126, 6353..6499		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93390	Strand	-
Start	7135	End	8619
Name	OJ000210_18.0310.C13.o2.gs	Method	GENSCAN
Start	7135	End	8619
GI	none	Score	.6
Exons	7135..7729, 7979..8108, 8484..8619		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93390	Strand	-
Start	7135	End	8619
Name	OJ000210_18.0310.C13.o1.np	Method	AAT/NAP
Start	7499	End	8619
GI	2129932	Score	365
Exons	7499..7628, 7677..7762, 7979..8108, 8484..8619		
GI Descrip.	myb-related transcription factor TMH1 - tomato gi|1167486|emb|CAA64615| (X95297) transcription factor [Lycopersicon esculentum]		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93391	Strand	-
Start	12603	End	12803
Name	OJ000210_18.0310.C13.o1.ts	Method	TBLASTX:Soybean
Start	4308	End	4545
GI	none	Score	118
Exons	4308..4532, 4308..4505, 4310..4534, 4310..4537, 4408..4545		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93391	Strand	-
Start	12603	End	12803
Name	OJ000210_18.0310.C13.o1.tm	Method	TBLASTX:Maize
Start	4309	End	6473
GI	none	Score	517
Exons	4309..4860, 4309..4860, 4310..4861, 4310..4861, 4803..4895, 5009..5251, 5012..5242, 5014..5244, 5332..5511, 5342..5512, 5343..5522, 6007..6123, 6009..6128, 6350..6472, 6351..6473, 6356..6472		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93391	Strand	-

Start	12603	End	12803
Name	OJ000210_18.0310.C13.o2.ts	Method	TBLASTX:Soybean
Start	5400	End	6502
GI	none	Score	185
Exons	5400..5522, 5402..5527, 5402..5512, 6007..6126, 6009..6128, 6353..6457, 6452..6502		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93391	Strand	-
Start	12603	End	12803
Name	OJ000210_18.0310.C13.o2.tm	Method	TBLASTX:Maize
Start	7723	End	8643
GI	none	Score	68
Exons	7723..7764, 7724..7768, 7971..8093, 7978..8109, 8014..8106, 8480..8623, 8482..8643		

Seq. No.	44326	Seq. ID	OJ000210_18.0310.C13
Gene No.	93391	Strand	-
Start	12603	End	12803
Name	OJ000210_18.0310.C13.o3.gs	Method	GENSCAN
Start	12603	End	12803
GI	none	Score	.79
Exons	12603..12803		

Seq. No.	44327	Seq. ID	OJ000210_18.0310.C14
Gene No.	93392	Strand	-
Start	72	End	2343
Name	OJ000210_18.0310.C14.o1.gs	Method	GENSCAN
Start	72	End	559
GI	none	Score	.9
Exons	72..559		

Seq. No.	44327	Seq. ID	OJ000210_18.0310.C14
Gene No.	93392	Strand	-
Start	72	End	2343
Name	OJ000210_18.0310.C14.o1.tc	Method	TBLASTX:Cress
Start	83	End	398
GI	none	Score	68
Exons	83..163, 167..235, 168..236, 269..385, 276..398		

Seq. No.	44327	Seq. ID	OJ000210_18.0310.C14
Gene No.	93392	Strand	-
Start	72	End	2343
Name	OJ000210_18.0310.C14.o1.np	Method	AAT/NAP
Start	229	End	2343
GI	7523517	Score	278
Exons	229..256, 1790..1889, 2034..2343		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44328	Seq. ID	OJ000210_18.0310.C15
Gene No.	93393	Strand	+
Start	532	End	638
Name	OJ000210_18.0310.C15.o1.gs	Method	GENSCAN
Start	532	End	638
GI	none	Score	.54
Exons	532..638		

Seq. No.	44329	Seq. ID	OJ000210_18.0310.C17
Gene No.	93394	Strand	-
Start	1911	End	1997
Name	OJ000210_18.0310.C17.o1.gp	Method	AAT/GAP
Start	1911	End	1997
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	1911..1997		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44330	Seq. ID	OJ000210_18.0310.C18
Gene No.	93395	Strand	+
Start	381	End	1490
Name	OJ000210_18.0310.C18.o1.gs	Method	GENSCAN
Start	381	End	1397
GI	none	Score	.93
Exons	381..489, 667..909, 1002..1093, 1138..1397		

Seq. No.	44330	Seq. ID	OJ000210_18.0310.C18
Gene No.	93395	Strand	+
Start	381	End	1490
Name	OJ000210_18.0310.C18.o1.np	Method	AAT/NAP
Start	553	End	1490
GI	7340881	Score	624
Exons	553..639, 786..909, 1002..1103, 1190..1490		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44330	Seq. ID	OJ000210_18.0310.C18
Gene No.	93396	Strand	+
Start	2301	End	2393
Name	OJ000210_18.0310.C18.o3.np	Method	AAT/NAP
Start	2301	End	2393
GI	6721561	Score	95
Exons	2301..2393		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44330	Seq. ID	OJ000210_18.0310.C18
Gene No.	93397	Strand	+
Start	2901	End	2998
Name	OJ000210_18.0310.C18.o1.gp	Method	AAT/GAP
Start	2901	End	2998
GI	uC-osflcyp088b12b1	Score	135
Exons	2901..2998		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44330	Seq. ID	OJ000210_18.0310.C18
Gene No.	93398	Strand	-
Start	2179	End	2268
Name	OJ000210_18.0310.C18.o2.np	Method	AAT/NAP
Start	2179	End	2268
GI	4680183	Score	128

Exons	2179..2268		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	44331	Seq. ID	OJ000350_13.0310.C2
Gene No.	93399	Strand	+
Start	487	End	699
Name	OJ000350_13.0310.C2.o1.gs	Method	GENSCAN
Start	487	End	699
GI	none	Score	.89
Exons	487..531, 634..699		
Seq. No.	44332	Seq. ID	OJ000350_13.0310.C3
Gene No.	93400	Strand	+
Start	2635	End	2792
Name	OJ000350_13.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	2533	End	2768
GI	none	Score	51
Exons	2533..2601, 2560..2766, 2598..2768		
Seq. No.	44332	Seq. ID	OJ000350_13.0310.C3
Gene No.	93400	Strand	+
Start	2635	End	2792
Name	OJ000350_13.0310.C3.o1.tc	Method	TBLASTX:Cress
Start	2602	End	2792
GI	none	Score	236
Exons	2602..2769, 2604..2792, 2604..2792		
Seq. No.	44332	Seq. ID	OJ000350_13.0310.C3
Gene No.	93400	Strand	+
Start	2635	End	2792
Name	OJ000350_13.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	2602	End	2762
GI	none	Score	225
Exons	2602..2760, 2604..2762		
Seq. No.	44332	Seq. ID	OJ000350_13.0310.C3
Gene No.	93400	Strand	+
Start	2635	End	2792
Name	OJ000350_13.0310.C3.o1.np	Method	AAT/NAP
Start	2635	End	2763
GI	131375	Score	213
Exons	2635..2763		
GI Descrip.	PHOTOSYSTEM II REACTION CENTER N PROTEIN gi|72720|pir||F2RZN photosystem II protein psbN - rice chloroplast gi|82632|pir||S14142 photosystem II protein psbN - wheat chloroplast gi|100123|pir||S12130 photosystem II protein psbN - Appalachian evening primrose chloroplast gi|100737|pir||JN0417 photosystem II protein psbN - rye chloroplast gi|485419|pir||S12133 photosys		
Seq. No.	44333	Seq. ID	OJ000350_13.0310.C6
Gene No.	93401	Strand	+
Start	714	End	1081
Name	OJ000350_13.0310.C6.o1.gs	Method	GENSCAN
Start	714	End	1081
GI	none	Score	.52
Exons	714..732, 918..1081		

Seq. No.	44333	Seq. ID	OJ000350_13.0310.C6
Gene No.	93402	Strand	-
Start	142	End	1108
Name	OJ000350_13.0310.C6.o1.np	Method	AAT/NAP
Start	142	End	1108
GI	6539571	Score	80
Exons	142..239, 984..1108		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44334	Seq. ID	OJ000350_13.0310.C7
Gene No.	93403	Strand	+
Start	1366	End	1477
Name	OJ000350_13.0310.C7.o1.gs	Method	GENSCAN
Start	1366	End	1477
GI	none	Score	.68
Exons	1366..1477		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o1.np	Method	AAT/NAP
Start	877	End	5243
GI	6705984	Score	265
Exons	877..896, 4736..5243		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o1.gs	Method	GENSCAN
Start	1075	End	2412
GI	none	Score	.4
Exons	1075..1212, 2317..2412		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o2.gs	Method	GENSCAN
Start	4040	End	9890
GI	none	Score	.41
Exons	4040..4146, 4357..4489, 5145..5310, 5713..5886, 6744..6857, 9294..9370, 9502..9631, 9672..9697, 9837..9890		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	4392	End	5051
GI	none	Score	62
Exons	4392..4463, 4393..4467, 4793..5047, 4805..5041, 4851..5051		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	4745	End	5011

GI	none	Score	85
Exons	4745..5011, 4811..5011		

Seq. No.	44335	Seq. ID	OJ000350_13.0310.C8
Gene No.	93404	Strand	-
Start	1075	End	9890
Name	OJ000350_13.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	4811	End	5011
GI	none	Score	85
Exons	4811..5011, 4811..5011		

Seq. No.	44336	Seq. ID	OJ000350_13.0310.C9
Gene No.	93405	Strand	+
Start	51	End	1104
Name	OJ000350_13.0310.C9.o1.gs	Method	GENSCAN
Start	51	End	1104
GI	none	Score	.45
Exons	51..111, 1071..1104		

Seq. No.	44337	Seq. ID	OJ000350_13.0310.C16
Gene No.	93406	Strand	+
Start	1	End	1316
Name	OJ000350_13.0310.C16.o1.np	Method	AAT/NAP
Start	1	End	1316
GI	6815062	Score	441
Exons	1..244, 303..612, 689..787, 858..908, 1015..1316		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	44337	Seq. ID	OJ000350_13.0310.C16
Gene No.	93406	Strand	+
Start	1	End	1316
Name	OJ000350_13.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	49	End	612
GI	none	Score	207
Exons	49..213, 54..212, 97..213, 310..387, 427..612		

Seq. No.	44337	Seq. ID	OJ000350_13.0310.C16
Gene No.	93406	Strand	+
Start	1	End	1316
Name	OJ000350_13.0310.C16.o1.gs	Method	GENSCAN
Start	318	End	1231
GI	none	Score	.66
Exons	318..612, 659..787, 858..1231		

Seq. No.	44338	Seq. ID	OJ000350_13.0310.C26
Gene No.	93407	Strand	+
Start	66	End	1549
Name	OJ000350_13.0310.C26.o1.tw	Method	TBLASTX:Wheat
Start	60	End	447
GI	none	Score	341
Exons	60..446, 71..445, 184..447		

Seq. No.	44338	Seq. ID	OJ000350_13.0310.C26
Gene No.	93407	Strand	+
Start	66	End	1549

Name	OJ000350_13.0310.C26.o1.gs	Method	GENSCAN
Start	66	End	1520
GI	none	Score	.71
Exons	66..1520		

Seq. No.	44338	Seq. ID	OJ000350_13.0310.C26
Gene No.	93407	Strand	+
Start	66	End	1549
Name	OJ000350_13.0310.C26.o1.np	Method	AAT/NAP
Start	66	End	1549
GI	6539553	Score	2542
Exons	66..1549		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44338	Seq. ID	OJ000350_13.0310.C26
Gene No.	93407	Strand	+
Start	66	End	1549
Name	OJ000350_13.0310.C26.o2.tm	Method	TBLASTX:Maize
Start	195	End	508
GI	none	Score	347
Exons	195..506, 203..508		

Seq. No.	44338	Seq. ID	OJ000350_13.0310.C26
Gene No.	93407	Strand	+
Start	66	End	1549
Name	OJ000350_13.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	1007	End	1329
GI	none	Score	264
Exons	1007..1261, 1014..1328, 1034..1327, 1162..1329		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o1.np	Method	AAT/NAP
Start	1	End	1311
GI	6539553	Score	2162
Exons	1..1311		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o2.tm	Method	TBLASTX:Maize
Start	2	End	415
GI	none	Score	173
Exons	2..229, 4..195, 50..205, 248..415		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o2.ts	Method	TBLASTX:Soybean

Start	17	End	415
GI	none	Score	179
Exons	17..241, 37..195, 242..415, 250..288		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o2.tc	Method	TBLASTX:Cress
Start	50	End	439
GI	none	Score	105
Exons	50..232, 245..439		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o1.tw	Method	TBLASTX:Wheat
Start	65	End	820
GI	none	Score	956
Exons	65..820, 73..552, 74..820		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o1.ts	Method	TBLASTX:Soybean
Start	740	End	1204
GI	5509260	Score	373
Exons	740..1204, 835..1059, 1132..1185		
GI Descrip.	-		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o1.tc	Method	TBLASTX:Cress
Start	833	End	1093
GI	none	Score	276
Exons	833..1093, 835..1005		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o1.tm	Method	TBLASTX:Maize
Start	874	End	1249
GI	none	Score	314
Exons	874..1236, 875..1249		

Seq. No.	44339	Seq. ID	OJ000350_13.0310.C27
Gene No.	93408	Strand	+
Start	1	End	1311
Name	OJ000350_13.0310.C27.o2.tw	Method	TBLASTX:Wheat
Start	875	End	1219
GI	none	Score	315
Exons	875..1219, 1022..1195		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93409	Strand	+
Start	1	End	1395
Name	OJ000350_13.0310.C28.o1.np	Method	AAT/NAP

Start	1	End	1395
GI	6539553	Score	2280
Exons	1..1395		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	40	End	252
GI	none	Score	214
Exons	40..252, 51..164		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	40	End	498
GI	none	Score	344
Exons	40..498, 48..395		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o2.tw	Method	TBLASTX:Wheat
Start	49	End	579
GI	none	Score	310
Exons	49..378, 51..74, 181..354, 373..579, 447..569		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o2.ts	Method	TBLASTX:Soybean
Start	70	End	414
GI	none	Score	289
Exons	70..414, 84..353, 175..408		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	432	End	777
GI	none	Score	314
Exons	432..632, 433..777		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o2.tm	Method	TBLASTX:Maize
Start	588	End	927
GI	none	Score	318
Exons	588..926, 589..927		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28

Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	783	End	1259
GI	none	Score	101
Exons	783..854, 784..858, 785..856, 873..1052, 874..1221, 874..1224, 1146..1259		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o3.ts	Method	TBLASTX:Soybean
Start	790	End	1131
GI	none	Score	91
Exons	790..903, 816..896, 922..1131, 927..1052		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o2.gs	Method	GENSCAN
Start	5453	End	10911
GI	none	Score	.53
Exons	5453..5853, 8778..8914, 9700..9883, 10167..10911		

Seq. No.	44340	Seq. ID	OJ000350_13.0310.C28
Gene No.	93410	Strand	-
Start	5453	End	11034
Name	OJ000350_13.0310.C28.o2.np	Method	AAT/NAP
Start	9765	End	11034
GI	6815052	Score	1172
Exons	9765..9883, 10167..10241, 10323..11034		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93411	Strand	+
Start	1	End	4196
Name	OJ000350_13.0310.C29.o2.np	Method	AAT/NAP
Start	1	End	4196
GI	7228446	Score	1316
Exons	1..65, 2800..3247, 3326..4196		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.np	Method	AAT/NAP
Start	1	End	4433
GI	6815052	Score	569
Exons	1..209, 258..396, 1201..1293, 2157..2258, 2555..2715, 4387..4433		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.gs	Method	GENSCAN

Start	258	End	1095
GI	none	Score	.44
Exons	258..1095		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o2.tw	Method	TBLASTX:Wheat
Start	508	End	1002
GI	none	Score	70
Exons	508..804, 518..727, 820..1002		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o3.ts	Method	TBLASTX:Soybean
Start	610	End	990
GI	none	Score	116
Exons	610..801, 784..990		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o2.tc	Method	TBLASTX:Cress
Start	2802	End	3056
GI	none	Score	201
Exons	2802..3056		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o2.ts	Method	TBLASTX:Soybean
Start	2805	End	3167
GI	5509260	Score	249
Exons	2805..3071, 2810..2959, 2993..3061, 3075..3167		
GI Descrip.	-		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	2837	End	3494
GI	none	Score	217
Exons	2837..3070, 2838..3065, 3084..3179, 3246..3380, 3384..3494		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o2.tm	Method	TBLASTX:Maize
Start	2837	End	3215
GI	none	Score	261
Exons	2837..3061, 2838..3065, 2874..3065, 3087..3215		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o3.tm	Method	TBLASTX:Maize

Start	3290	End	3464
GI	none	Score	203
Exons	3290..3364, 3291..3464, 3413..3463		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	3464	End	3929
GI	none	Score	259
Exons	3464..3694, 3474..3698, 3711..3929, 3752..3871		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.tc	Method	TBLASTX:Cress
Start	3513	End	4186
GI	none	Score	189
Exons	3513..3707, 3717..3812, 3749..3796, 3809..3931, 3810..3929, 3926..4186, 3927..4181		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	3534	End	4175
GI	none	Score	121
Exons	3534..3695, 3720..4175, 3830..3871, 3998..4135		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o3.tw	Method	TBLASTX:Wheat
Start	3702	End	4148
GI	none	Score	167
Exons	3702..3968, 3833..3904, 3969..4148, 4019..4135		

Seq. No.	44341	Seq. ID	OJ000350_13.0310.C29
Gene No.	93412	Strand	-
Start	1	End	4433
Name	OJ000350_13.0310.C29.o4.tm	Method	TBLASTX:Maize
Start	3930	End	4175
GI	none	Score	193
Exons	3930..4175, 3960..4136, 3962..4174		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93413	Strand	+
Start	277	End	5272
Name	OJ000350_13.0310.C30.o1.gs	Method	GENSCAN
Start	277	End	5272
GI	none	Score	.54
Exons	277..369, 1153..1443, 1492..1749, 2475..2519, 4598..5272		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93414	Strand	+
Start	5859	End	7614
Name	OJ000350_13.0310.C30.o2.gs	Method	GENSCAN

Start	5859	End	7614
GI	none	Score	.65
Exons	5859..5914, 7140..7614		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93415	Strand	+
Start	7828	End	8870
Name	OJ000350_13.0310.C30.o3.gs	Method	GENSCAN
Start	7828	End	8870
GI	none	Score	.66
Exons	7828..7970, 8211..8450, 8750..8870		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o2.tc	Method	TBLASTX:Cress
Start	1327	End	4696
GI	none	Score	118
Exons	1327..1419, 1429..1467, 1435..1467, 1554..1664, 1555..1749, 4595..4696		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o2.tm	Method	TBLASTX:Maize
Start	1327	End	1650
GI	none	Score	155
Exons	1327..1425, 1389..1424, 1416..1454, 1420..1470, 1554..1649, 1555..1650		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o1.ts	Method	TBLASTX:Soybean
Start	1684	End	5065
GI	none	Score	73
Exons	1684..1749, 4580..4864, 4597..4641, 4637..4822, 4645..4827, 4925..5065		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o1.tm	Method	TBLASTX:Maize
Start	4595	End	4908
GI	none	Score	459
Exons	4595..4906, 4597..4908		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o1.tc	Method	TBLASTX:Cress
Start	4727	End	5275
GI	none	Score	121
Exons	4727..4828, 4729..4827, 4925..4996, 4939..4992, 5090..5275, 5113..5265		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30

Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o2.ts	Method	TBLASTX:Soybean
Start	5078	End	5289
GI	5753597	Score	251
Exons	5078..5275, 5113..5271, 5134..5289		
GI Descrip.	-		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o3.tm	Method	TBLASTX:Maize
Start	5105	End	5484
GI	none	Score	269
Exons	5105..5275, 5110..5271, 5326..5367, 5329..5376, 5458..5484		

Seq. No.	44342	Seq. ID	OJ000350_13.0310.C30
Gene No.	93416	Strand	-
Start	10844	End	11092
Name	OJ000350_13.0310.C30.o4.gs	Method	GENSCAN
Start	10844	End	11092
GI	none	Score	.59
Exons	10844..10883, 10986..11092		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93417	Strand	+
Start	240	End	1482
Name	OJ000350_13.0310.C31.o1.gs	Method	GENSCAN
Start	240	End	1482
GI	none	Score	.46
Exons	240..319, 1000..1140, 1282..1482		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o1.np	Method	AAT/NAP
Start	1	End	2236
GI	7500635	Score	141
Exons	1..40, 1212..1667, 1850..2109, 2198..2236		
GI Descrip.	hypothetical protein F36F2.3 - Caenorhabditis elegans gi|3876805|emb|CAB04326.1| (Z81532) similar to Zinc finger, C3HC4 type (RING finger), Zinc finger, CCHC class; cDNA EST EMBL:D76268 comes from this gene; cDNA EST EMBL:D68142 comes from this gene; cDNA EST EMBL:C13529 comes from this gene; cDNA EST yk208d9.5 comes from this gene>		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o2.tm	Method	TBLASTX:Maize
Start	918	End	1459
GI	none	Score	36
Exons	918..998, 1102..1164, 1103..1165, 1242..1451, 1246..1458, 1247..1459		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-

Start	1	End	6357
Name	OJ000350_13.0310.C31.o2.ts	Method	TBLASTX:Soybean
Start	1108	End	1551
GI	none	Score	46
Exons	1108..1164, 1109..1165, 1246..1551, 1250..1495		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1246	End	1509
GI	none	Score	73
Exons	1246..1413, 1280..1387, 1420..1509		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	1522	End	2236
GI	none	Score	144
Exons	1522..1551, 1636..1752, 1638..1751, 1639..1752, 1823..1873, 1839..1871, 1873..2109, 1874..2113, 1874..2110, 1875..2114, 1876..2121, 2177..2230, 2186..2236		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o2.gs	Method	GENSCAN
Start	1614	End	6357
GI	none	Score	.64
Exons	1614..1750, 1947..2109, 2198..2344, 2415..3026, 3555..3772, 4025..4943, 5319..6357		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o2.np	Method	AAT/NAP
Start	1819	End	6227
GI	2459436	Score	1071
Exons	1819..2109, 2198..2344, 2415..3017, 3555..3910, 3983..4900, 4985..5159, 5319..5457, 5557..5633, 5679..5955, 6037..6227		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o1.ts	Method	TBLASTX:Soybean
Start	1844	End	2296
GI	none	Score	230
Exons	1844..1873, 1873..2109, 1874..2116, 1875..2111, 2177..2275, 2186..2296, 2199..2294		

Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o1.tc	Method	TBLASTX:Cress
Start	1874	End	2237

GI	none	Score	189
Exons	1874..2116, 1897..2109, 2186..2236, 2199..2237		
Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o2.tc	Method	TBLASTX:Cress
Start	2238	End	2576
GI	none	Score	81
Exons	2238..2345, 2240..2347, 2391..2573, 2415..2576		
Seq. No.	44343	Seq. ID	OJ000350_13.0310.C31
Gene No.	93418	Strand	-
Start	1	End	6357
Name	OJ000350_13.0310.C31.o3.tm	Method	TBLASTX:Maize
Start	2485	End	2684
GI	none	Score	151
Exons	2485..2568, 2487..2630, 2487..2684, 2651..2683		
Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93419	Strand	+
Start	8491	End	11792
Name	OJ000350_13.0310.C32.o1.np	Method	AAT/NAP
Start	8491	End	11789
GI	5803259	Score	4824
Exons	8491..9752, 9848..10034, 10077..11789		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93419	Strand	+
Start	8491	End	11792
Name	OJ000350_13.0310.C32.o4.gs	Method	GENSCAN
Start	8491	End	11792
GI	none	Score	.82
Exons	8491..9060, 9121..9752, 9848..11792		
Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93420	Strand	-
Start	1186	End	2537
Name	OJ000350_13.0310.C32.o1.gs	Method	GENSCAN
Start	1186	End	2537
GI	none	Score	.57
Exons	1186..1335, 1921..1952, 2106..2378, 2492..2537		
Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93421	Strand	-
Start	4228	End	5979
Name	OJ000350_13.0310.C32.o1.gp	Method	AAT/GAP
Start	4049	End	5979
GI	2139_1.R1084	Score	1267
Exons	4049..4497, 4855..4956, 5823..5979		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93421	Strand	-
Start	4228	End	5979

Name	OJ000350_13.0310.C32.o2.gs	Method	GENSCAN
Start	4228	End	5897
GI	none	Score	.67
Exons	4228..4497, 4855..4956, 5823..5897		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93422	Strand	-
Start	6727	End	7314
Name	OJ000350_13.0310.C32.o3.gs	Method	GENSCAN
Start	6727	End	7314
GI	none	Score	.45
Exons	6727..6920, 7254..7314		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o1.tc	Method	TBLASTX:Cress
Start	4264	End	4528
GI	none	Score	54
Exons	4264..4497, 4265..4309, 4342..4374, 4406..4528		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o3.tw	Method	TBLASTX:Wheat
Start	4264	End	4497
GI	none	Score	233
Exons	4264..4497		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o1.ts	Method	TBLASTX:Soybean
Start	4264	End	4507
GI	none	Score	84
Exons	4264..4497, 4268..4507		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o2.tm	Method	TBLASTX:Maize
Start	4264	End	5007
GI	none	Score	144
Exons	4264..4497, 4265..4498, 4855..5007		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o2.tw	Method	TBLASTX:Wheat
Start	9525	End	13014
GI	none	Score	77
Exons	9525..9608, 12412..12537, 12416..12538, 12704..12874, 12730..13014, 12731..12874, 12911..13009, 12939..13010		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158

Name	OJ000350_13.0310.C32.o3.tm	Method	TBLASTX:Maize
Start	12400	End	12543
GI	none	Score	126
Exons	12400..12543, 12404..12538		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o5.gs	Method	GENSCAN
Start	12400	End	14055
GI	none	Score	1
Exons	12400..14055		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o2.np	Method	AAT/NAP
Start	12403	End	14158
GI	7228457	Score	2762
Exons	12403..13953, 14020..14158		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	13015	End	13396
GI	none	Score	165
Exons	13015..13395, 13046..13294, 13054..13392, 13340..13396		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o1.tm	Method	TBLASTX:Maize
Start	13210	End	13524
GI	none	Score	187
Exons	13210..13524, 13223..13489		

Seq. No.	44344	Seq. ID	OJ000350_13.0310.C32
Gene No.	93423	Strand	-
Start	12400	End	14158
Name	OJ000350_13.0310.C32.o4.tw	Method	TBLASTX:Wheat
Start	13726	End	14047
GI	none	Score	78
Exons	13726..13986, 13862..14047		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93424	Strand	+
Start	3714	End	3846
Name	OJ000350_13.0310.C33.o2.np	Method	AAT/NAP
Start	3714	End	3846
GI	5922623	Score	80
Exons	3714..3846		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o1.np	Method	AAT/NAP
Start	1	End	3638
GI	7228457	Score	5289
Exons	1..254, 377..1211, 1275..3205, 3267..3638		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o1.ts	Method	TBLASTX:Soybean
Start	183	End	584
GI	none	Score	90
Exons	183..584, 394..537		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o2.tw	Method	TBLASTX:Wheat
Start	213	End	633
GI	none	Score	320
Exons	213..632, 220..633		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o2.tm	Method	TBLASTX:Maize
Start	306	End	690
GI	none	Score	233
Exons	306..689, 325..690		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o1.tm	Method	TBLASTX:Maize
Start	717	End	1073
GI	none	Score	115
Exons	717..1022, 717..1073, 727..1038		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1204
GI	none	Score	231
Exons	741..1202, 747..1202, 748..1203, 761..1204		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o2.ts	Method	TBLASTX:Soybean

Start	798	End	1163
GI	none	Score	117
Exons	798..932, 939..1163		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o3.tw	Method	TBLASTX:Wheat
Start	1368	End	1854
GI	none	Score	78
Exons	1368..1853, 1395..1589, 1399..1659, 1681..1854		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o4.tw	Method	TBLASTX:Wheat
Start	2592	End	2984
GI	none	Score	80
Exons	2592..2849, 2626..2865, 2832..2930, 2833..2925, 2937..2984		

Seq. No.	44345	Seq. ID	OJ000350_13.0310.C33
Gene No.	93425	Strand	-
Start	1	End	3638
Name	OJ000350_13.0310.C33.o3.tm	Method	TBLASTX:Maize
Start	2694	End	2979
GI	none	Score	87
Exons	2694..2942, 2695..2979		

Seq. No.	44346	Seq. ID	OJ000350_13.0310.C34
Gene No.	93426	Strand	+
Start	1	End	665
Name	OJ000350_13.0310.C34.o1.np	Method	AAT/NAP
Start	1	End	382
GI	7523512	Score	111
Exons	1..78, 206..382		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44346	Seq. ID	OJ000350_13.0310.C34
Gene No.	93426	Strand	+
Start	1	End	665
Name	OJ000350_13.0310.C34.o1.gs	Method	GENSCAN
Start	57	End	665
GI	none	Score	.69
Exons	57..111, 130..205, 365..665		

Seq. No.	44346	Seq. ID	OJ000350_13.0310.C34
Gene No.	93427	Strand	-
Start	2104	End	2502
Name	OJ000350_13.0310.C34.o2.gs	Method	GENSCAN
Start	2104	End	2502
GI	none	Score	.42
Exons	2104..2502		

Seq. No.	44347	Seq. ID	OJ000350_13.0310.C36
Gene No.	93428	Strand	-
Start	1	End	1201
Name	OJ000350_13.0310.C36.o1.np	Method	AAT/NAP

Start	1	End	1201
GI	5932532	Score	190
Exons	1..44, 809..1201		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	44347	Seq. ID	OJ000350_13.0310.C36
Gene No.	93428	Strand	-
Start	1	End	1201
Name	OJ000350_13.0310.C36.o1.tm	Method	TBLASTX:Maize
Start	810	End	1138
GI	none	Score	46
Exons	810..932, 811..933, 911..1039, 918..980, 920..1015, 1046..1123, 1046..1138, 1059..1124		

Seq. No.	44348	Seq. ID	OJ000350_13.0310.C37
Gene No.	93429	Strand	-
Start	900	End	1385
Name	OJ000350_13.0310.C37.o1.gs	Method	GENSCAN
Start	900	End	1385
GI	none	Score	.61
Exons	900..1045, 1341..1385		

Seq. No.	44349	Seq. ID	OJ000350_13.0310.C38
Gene No.	93430	Strand	-
Start	129	End	1550
Name	OJ000350_13.0310.C38.o1.gs	Method	GENSCAN
Start	129	End	1550
GI	none	Score	.54
Exons	129..387, 680..783, 869..994, 1118..1228, 1446..1550		

Seq. No.	44349	Seq. ID	OJ000350_13.0310.C38
Gene No.	93431	Strand	-
Start	1864	End	2072
Name	OJ000350_13.0310.C38.o1.gp	Method	AAT/GAP
Start	1864	End	2072
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	1864..1905, 2011..2072		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44350	Seq. ID	OJ000350_13.0310.C41
Gene No.	93432	Strand	-
Start	58	End	2246
Name	OJ000350_13.0310.C41.o1.gs	Method	GENSCAN
Start	58	End	2246
GI	none	Score	.77
Exons	58..102, 1996..2076, 2160..2246		

Seq. No.	44351	Seq. ID	OJ000350_13.0310.C42
Gene No.	93433	Strand	-
Start	446	End	981
Name	OJ000350_13.0310.C42.o1.gs	Method	GENSCAN
Start	446	End	981
GI	none	Score	.5
Exons	446..580, 653..721, 811..981		

Seq. No.	44352	Seq. ID	OJ000350_13.0310.C43
Gene No.	93434	Strand	+
Start	1	End	1100
Name	OJ000350_13.0310.C43.o1.np	Method	AAT/NAP
Start	1	End	1100
GI	7228457	Score	1680
Exons	1..833, 900..1100		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44352	Seq. ID	OJ000350_13.0310.C43
Gene No.	93434	Strand	+
Start	1	End	1100
Name	OJ000350_13.0310.C43.o1.tw	Method	TBLASTX:Wheat
Start	378	End	812
GI	none	Score	236
Exons	378..629, 393..602, 443..619, 663..812, 672..809, 674..811		

Seq. No.	44352	Seq. ID	OJ000350_13.0310.C43
Gene No.	93434	Strand	+
Start	1	End	1100
Name	OJ000350_13.0310.C43.o1.ts	Method	TBLASTX:Soybean
Start	501	End	1067
GI	5666795	Score	68
Exons	501..599, 675..812, 867..1067		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44352	Seq. ID	OJ000350_13.0310.C43
Gene No.	93434	Strand	+
Start	1	End	1100
Name	OJ000350_13.0310.C43.o2.tw	Method	TBLASTX:Wheat
Start	815	End	1091
GI	none	Score	175
Exons	815..991, 867..1091		

Seq. No.	44353	Seq. ID	OJ000250_17.0313.C6
Gene No.	93435	Strand	+
Start	1	End	341
Name	OJ000250_17.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	341
GI	5091510	Score	205
Exons	1..45, 207..341		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana gamma-adaptin 1 mRNA, complete cds.(AF061286) [Oryza sativa]		

Seq. No.	44353	Seq. ID	OJ000250_17.0313.C6
Gene No.	93436	Strand	-
Start	1598	End	1918
Name	OJ000250_17.0313.C6.o1.gs	Method	GENSCAN
Start	1598	End	1906
GI	none	Score	1
Exons	1598..1906		

Seq. No.	44353	Seq. ID	OJ000250_17.0313.C6
Gene No.	93436	Strand	-
Start	1598	End	1918

Name	OJ000250_17.0313.C6.o2.np	Method	AAT/NAP
Start	1601	End	1918
GI	5091511	Score	561
Exons	1601..1918		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	44354	Seq. ID	OJ000250_17.0313.C7
Gene No.	93437	Strand	+
Start	78	End	404
Name	OJ000250_17.0313.C7.o1.gs	Method	GENSCAN
Start	78	End	404
GI	none	Score	.5
Exons	78..404		

Seq. No.	44354	Seq. ID	OJ000250_17.0313.C7
Gene No.	93438	Strand	-
Start	1	End	3513
Name	OJ000250_17.0313.C7.o1.np	Method	AAT/NAP
Start	1	End	344
GI	5091511	Score	480
Exons	1..344		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	44354	Seq. ID	OJ000250_17.0313.C7
Gene No.	93438	Strand	-
Start	1	End	3513
Name	OJ000250_17.0313.C7.o2.np	Method	AAT/NAP
Start	1	End	3513
GI	7106512	Score	135
Exons	1..22, 3325..3380, 3454..3513		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44354	Seq. ID	OJ000250_17.0313.C7
Gene No.	93439	Strand	-
Start	5841	End	6446
Name	OJ000250_17.0313.C7.o3.np	Method	AAT/NAP
Start	5841	End	6446
GI	7106512	Score	796
Exons	5841..6190, 6245..6446		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93440	Strand	+
Start	1	End	95
Name	OJ000250_17.0313.C11.o1.gp	Method	AAT/GAP
Start	1	End	95
GI	LIB3433-029-P1-K1-B10	Score	182
Exons	1..95		
GI Descrip.	'5091522/dbj|BAA78757.1| 4.0e-19 (AB023482) Similar to Arabidopsis thaliana chromosome II BAC T20K24 genomic sequence, complete sequence.(AC002392) [Oryza sativa]'		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11

Gene No.	93441	Strand	+
Start	150	End	3368
Name	OJ000250_17.0313.C11.o1.gs	Method	GENSCAN
Start	150	End	1761
GI	none	Score	.88
Exons	150..341, 431..507, 654..714, 997..1168, 1745..1761		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93441	Strand	+
Start	150	End	3368
Name	OJ000250_17.0313.C11.o2.gp	Method	AAT/GAP
Start	427	End	3368
GI	20314_1.R1084	Score	905
Exons	427..507, 654..714, 997..1168, 3152..3368		
GI Descrip.	'3176710 2.0e-15 (AC002392) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93442	Strand	+
Start	4666	End	4739
Name	OJ000250_17.0313.C11.o3.gp	Method	AAT/GAP
Start	4666	End	4739
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	4666..4739		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93443	Strand	+
Start	7939	End	9478
Name	OJ000250_17.0313.C11.o3.gs	Method	GENSCAN
Start	7939	End	9478
GI	none	Score	.54
Exons	7939..8076, 8126..8314, 8889..9169, 9352..9478		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93443	Strand	+
Start	7939	End	9478
Name	OJ000250_17.0313.C11.o3.np	Method	AAT/NAP
Start	8854	End	9348
GI	5091524	Score	618
Exons	8854..9169, 9255..9348		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93444	Strand	+
Start	10404	End	12945
Name	OJ000250_17.0313.C11.o4.gp	Method	AAT/GAP
Start	10404	End	11015
GI	3760267	Score	694
Exons	10404..10620, 10846..11015		
GI Descrip.	5091525/dbj|BAA78760.1| 1.0e-20 (AB023482) EST C97523(C60312) corresponds to a region of the predicted gene.; Hypothetical protein [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11

Gene No.	93444	Strand	+
Start	10404	End	12945
Name	OJ000250_17.0313.C11.o4.np	Method	AAT/NAP
Start	10772	End	12942
GI	5091525	Score	1008
Exons	10772..10997, 11275..11384, 12018..12103, 12609..12719, 12825..12942		
GI Descrip.	(AB023482) EST C97523(C60312) corresponds to a region of the predicted gene.; Hypothetical protein [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93444	Strand	+
Start	10404	End	12945
Name	OJ000250_17.0313.C11.o5.gs	Method	GENSCAN
Start	10772	End	12945
GI	none	Score	.92
Exons	10772..10997, 11275..11384, 12018..12103, 12609..12719, 12825..12945		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93445	Strand	-
Start	2067	End	5386
Name	OJ000250_17.0313.C11.o2.gs	Method	GENSCAN
Start	2067	End	5386
GI	none	Score	.95
Exons	2067..2882, 3776..3934, 5333..5386		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93445	Strand	-
Start	2067	End	5386
Name	OJ000250_17.0313.C11.o1.np	Method	AAT/NAP
Start	2070	End	5386
GI	5091523	Score	1716
Exons	2070..2882, 3776..3934, 5333..5386		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93446	Strand	-
Start	10150	End	10650
Name	OJ000250_17.0313.C11.o4.gs	Method	GENSCAN
Start	10150	End	10650
GI	none	Score	.98
Exons	10150..10650		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93447	Strand	-
Start	13692	End	25252
Name	OJ000250_17.0313.C11.o6.gs	Method	GENSCAN
Start	13692	End	25252
GI	none	Score	.73
Exons	13692..13803, 15390..15544, 15653..15718, 15790..15870, 15969..16046, 16126..16151, 16255..16315, 16509..16551, 16644..16717, 16839..16927, 17033..17081, 17317..17373, 17455..17571, 18309..18428, 20286..20342, 20417..20509, 20661..20808, 20899..21048, 21125..21327, 21465..21584, 21676..21840, 22097..22246, 22371..22511, 22545..22715,		

23161..23237, 23321..23561, 23641..23904, 24059..24146,
24245..24650, 25003..25252

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93447	Strand	-
Start	13692	End	25252
Name	OJ000250_17.0313.C11.o5.np	Method	AAT/NAP
Start	15377	End	17589
GI	6006872	Score	562
Exons	15377..15544, 15653..15718, 15790..15870, 15969..16046, 16126..16151, 16255..16315, 16509..16551, 16644..16717, 16839..16927, 17033..17081, 17317..17373, 17455..17589		
GI Descrip.	(AC009540) s-syntaxin-like protein [Arabidopsis thaliana]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93447	Strand	-
Start	13692	End	25252
Name	OJ000250_17.0313.C11.o5.gp	Method	AAT/GAP
Start	20108	End	20714
GI	2311567	Score	673
Exons	20108..20342, 20417..20509, 20661..20714		
GI Descrip.	5091526/dbj|BAA78761.1| 5.0e-38 (AB023482) ESTs C27722(C52692),AU058088(S0509) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ribonucleoside-diphosphate reductase large subunit mRNA, complete cds.(AF092841) [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93447	Strand	-
Start	13692	End	25252
Name	OJ000250_17.0313.C11.o6.np	Method	AAT/NAP
Start	20241	End	24627
GI	5091526	Score	3976
Exons	20241..20342, 20417..20509, 20661..20808, 20899..21048, 21125..21327, 21465..21584, 21676..21840, 22097..22246, 22371..22511, 22545..22715, 23161..23237, 23321..23561, 23641..23904, 24059..24146, 24245..24627		
GI Descrip.	(AB023482) ESTs C27722(C52692),AU058088(S0509) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana ribonucleoside-diphosphate reductase large subunit mRNA, complete cds.(AF092841) [Oryza sativa]		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o2.tm	Method	TBLASTX:Maize
Start	1	End	3276
GI	none	Score	105
Exons	1..105, 2..145, 2..142, 3..146, 144..344, 144..341, 424..507, 425..505, 429..536, 651..725, 652..723, 985..1101, 987..1133, 998..1135, 1074..1157, 1094..1171, 3150..3275, 3153..3266, 3223..3276		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o2.tc	Method	TBLASTX:Cress

Start	6	End	508
GI	none	Score	98
Exons	6..122, 8..103, 33..125, 120..209, 195..344, 425..508, 427..507		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o5.ts	Method	TBLASTX:Soybean
Start	6	End	378
GI	none	Score	86
Exons	6..119, 120..344, 136..378, 140..340, 150..344		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o3.tm	Method	TBLASTX:Maize
Start	5877	End	6462
GI	none	Score	153
Exons	5877..6302, 5878..6108, 6006..6302, 6319..6462, 6320..6439		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o3.tw	Method	TBLASTX:Wheat
Start	6099	End	6414
GI	none	Score	129
Exons	6099..6305, 6135..6335, 6319..6414, 6322..6396		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o2.tw	Method	TBLASTX:Wheat
Start	6736	End	7079
GI	none	Score	83
Exons	6736..6945, 6945..7079		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o6.ts	Method	TBLASTX:Soybean
Start	15449	End	16049
GI	none	Score	65
Exons	15449..15556, 15450..15515, 15650..15721, 15787..15873, 15966..16049		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o3.tc	Method	TBLASTX:Cress
Start	15452	End	16312
GI	none	Score	62
Exons	15452..15556, 15650..15721, 15787..15873, 15966..16058, 16256..16312		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151

Name	OJ000250_17.0313.C11.o4.tm	Method	TBLASTX:Maize
Start	15455	End	16328
GI	none	Score	52
Exons	15455..15559, 15459..15545, 15650..15721, 15660..15731, 15787..15873, 15966..16055, 15966..16058, 16121..16156, 16126..16155, 16256..16318, 16257..16328		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o5.tm	Method	TBLASTX:Maize
Start	16505	End	17583
GI	none	Score	50
Exons	16505..16567, 16509..16547, 16510..16548, 16652..16717, 16653..16715, 16657..16716, 16839..16931, 16839..16928, 16840..16935, 17027..17083, 17034..17081, 17035..17103, 17313..17345, 17316..17375, 17449..17583, 17453..17578		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	20235	End	23773
GI	none	Score	90
Exons	20235..20315, 20235..20318, 20417..20509, 20418..20510, 20655..20810, 20660..20809, 20662..20811, 20892..21050, 20892..21029, 20893..21051, 20894..21061, 21125..21328, 21125..21328, 21126..21329, 21139..21330, 21455..21496, 21463..21585, 21464..21586, 21465..21587, 21671..21841, 21675..21842, 21676..21843, 21676..21843, 21927..22013, 21928..22026, 21929..22027, 21929..22036, 22089..22247, 22095..22247, 22096..22248, 22097..22249, 22097..22294, 22354..22464, 22369..22461, 22371..22493, 22371..22463, 22534..22719, 22550..22732, 22551..22715, 23159..23239, 23160..23246, 23161..23235, 23313..23564, 23321..23560, 23344..23562, 23637..23771, 23638..23772, 23642..23773, 23642..23773		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o1.tc	Method	TBLASTX:Cress
Start	20238	End	24631
GI	none	Score	62
Exons	20238..20336, 20241..20318, 20426..20509, 20436..20510, 20655..20810, 20660..20809, 20661..20810, 20668..20811, 20892..21029, 20893..21054, 20945..21034, 21125..21328, 21137..21328, 21139..21330, 21274..21339, 21465..21587, 21466..21579, 21485..21586, 21486..21593, 21674..21829, 21676..21843, 21676..21843, 21915..22019, 21928..22017, 21945..22019, 22095..22247, 22096..22248, 22097..22294, 22098..22298, 22369..22464, 22371..22466, 22371..22466, 22403..22465, 22530..22715, 22533..22718, 22546..22719, 23156..23233, 23159..23239, 23161..23235, 23313..23564, 23321..23560, 23344..23562, 23638..23907, 23641..23907, 24059..24145, 24063..24149, 24244..24306, 24245..24304, 24389..24631, 24391..24627		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o1.tw	Method	TBLASTX:Wheat
Start	20415	End	21061
GI	none	Score	115
Exons	20415..20510, 20417..20509, 20420..20512, 20655..20810, 20660..20803, 20661..20804, 20662..20811, 20891..21049, 20892..21050, 20892..21029, 20893..21051, 20894..21061		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o2.ts	Method	TBLASTX:Soybean
Start	20651	End	21042
GI	none	Score	133
Exons	20651..20809, 20658..20819, 20659..20811, 20892..21029, 20893..21042, 20894..21040		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o1.ts	Method	TBLASTX:Soybean
Start	21706	End	22700
GI	none	Score	139
Exons	21706..21843, 21706..21843, 21897..22019, 21931..22017, 22095..22247, 22097..22294, 22098..22247, 22354..22464, 22369..22461, 22371..22466, 22545..22580, 22581..22700, 22582..22698		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o4.ts	Method	TBLASTX:Soybean
Start	23159	End	23471
GI	none	Score	110
Exons	23159..23239, 23161..23235, 23313..23471, 23344..23469		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o3.ts	Method	TBLASTX:Soybean
Start	24250	End	24634
GI	none	Score	79
Exons	24250..24306, 24251..24304, 24389..24634, 24391..24627		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11
Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o4.tw	Method	TBLASTX:Wheat
Start	24277	End	24598
GI	none	Score	36
Exons	24277..24306, 24278..24304, 24389..24511, 24391..24501, 24496..24597, 24500..24598		

Seq. No.	44355	Seq. ID	OJ000250_17.0313.C11

Gene No.	93448	Strand	-
Start	25974	End	26151
Name	OJ000250_17.0313.C11.o6.gp	Method	AAT/GAP
Start	25974	End	26151
GI	102998_1.R1084	Score	320
Exons	25974..26151		
GI Descrip.	'5091527/dbj|BAA78762.1| 2.0e-49 (AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]'		

Seq. No.	44356	Seq. ID	OJ000250_17.0313.C12
Gene No.	93449	Strand	-
Start	1	End	1031
Name	OJ000250_17.0313.C12.o1.gp	Method	AAT/GAP
Start	1	End	279
GI	102998_1.R1084	Score	554
Exons	1..279		
GI Descrip.	'5091527/dbj|BAA78762.1| 2.0e-49 (AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]'		

Seq. No.	44356	Seq. ID	OJ000250_17.0313.C12
Gene No.	93449	Strand	-
Start	1	End	1031
Name	OJ000250_17.0313.C12.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	5091527	Score	1395
Exons	1..593, 875..1031		
GI Descrip.	(AB023482) Similar to Zea mays PRP gene.(X60432) [Oryza sativa]		

Seq. No.	44356	Seq. ID	OJ000250_17.0313.C12
Gene No.	93450	Strand	-
Start	1301	End	1411
Name	OJ000250_17.0313.C12.o2.np	Method	AAT/NAP
Start	1301	End	1411
GI	6815099	Score	83
Exons	1301..1411		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44356	Seq. ID	OJ000250_17.0313.C12
Gene No.	93451	Strand	-
Start	2415	End	2602
Name	OJ000250_17.0313.C12.o3.np	Method	AAT/NAP
Start	2415	End	2602
GI	5091528	Score	304
Exons	2415..2602		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93452	Strand	+
Start	632	End	898
Name	OJ000250_17.0313.C13.o1.gs	Method	GENSCAN
Start	632	End	898
GI	none	Score	.53
Exons	632..716, 777..898		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93453	Strand	+
Start	1330	End	1592

Name	OJ000250_17.0313.C13.o2.gp	Method	AAT/GAP
Start	1330	End	1592
GI	3445004	Score	464
Exons	1330..1592		
GI Descrip.	5091529/dbj|BAA78764.1| 2.0e-16 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93454	Strand	+
Start	10209	End	10478
Name	OJ000250_17.0313.C13.o5.gp	Method	AAT/GAP
Start	10209	End	10478
GI	2442421	Score	515
Exons	10209..10478		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93455	Strand	+
Start	11812	End	12268
Name	OJ000250_17.0313.C13.o6.gp	Method	AAT/GAP
Start	11812	End	12268
GI	LIB3433-043-P1-K1-D7	Score	201
Exons	11812..11939, 12225..12268		
GI Descrip.	'121528/sp|P27349|GOS9_ORYSA 2.0e-42 GOS9 PROTEIN >gi_100683_pir__S19115 GOS9 protein - rice >gi_20242_emb_CAA36189_ (X51909) GOS9 [Oryza sativa]'		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93456	Strand	+
Start	15242	End	17021
Name	OJ000250_17.0313.C13.o10.gp	Method	AAT/GAP
Start	15242	End	17021
GI	14979_1.R1084	Score	1697
Exons	15242..15312, 15471..15671, 16381..17021		
GI Descrip.	'121528/sp|P27349|GOS9_ORYSA 3.0e-71 GOS9 PROTEIN >gi_100683_pir__S19115 GOS9 protein - rice >gi_20242_emb_CAA36189_ (X51909) GOS9 [Oryza sativa]'		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93456	Strand	+
Start	15242	End	17021
Name	OJ000250_17.0313.C13.o3.np	Method	AAT/NAP
Start	15468	End	16593
GI	121528	Score	680
Exons	15468..15671, 16381..16593		
GI Descrip.	GOS9 PROTEIN gi|100683|pir||S19115 GOS9 protein - rice gi|20242|emb|CAA36189| (X51909) GOS9 [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93457	Strand	+
Start	22351	End	25679
Name	OJ000250_17.0313.C13.o5.gs	Method	GENSCAN
Start	22351	End	25679
GI	none	Score	.66
Exons	22351..22835, 23818..23944, 23946..24041, 24092..24179, 24181..24531, 24632..24707, 25106..25218, 25600..25679		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93458	Strand	-
Start	1	End	8239
Name	OJ000250_17.0313.C13.o1.np	Method	AAT/NAP
Start	1	End	1510
GI	7340909	Score	116
Exons	1..219, 1431..1510		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93458	Strand	-
Start	1	End	8239
Name	OJ000250_17.0313.C13.o2.gs	Method	GENSCAN
Start	1287	End	8239
GI	none	Score	.72
Exons	1287..1357, 1408..1461, 1905..2255, 2838..2984, 4124..4259, 4333..4439, 4464..4637, 5905..6099, 6446..6557, 6596..6684, 6849..6924, 8222..8239		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93458	Strand	-
Start	1	End	8239
Name	OJ000250_17.0313.C13.o2.np	Method	AAT/NAP
Start	1355	End	6073
GI	5091529	Score	2170
Exons	1355..1461, 1905..2255, 2838..2961, 3073..3206, 4124..4259, 4333..4637, 5905..6073		
GI Descrip.	(AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93458	Strand	-
Start	1	End	8239
Name	OJ000250_17.0313.C13.o3.gp	Method	AAT/GAP
Start	2007	End	2899
GI	6025026	Score	519
Exons	2007..2255, 2838..2899		
GI Descrip.	5091529/dbj|BAA78764.1| 3.0e-44 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93458	Strand	-
Start	1	End	8239
Name	OJ000250_17.0313.C13.o4.gp	Method	AAT/GAP
Start	2924	End	4431
GI	2801055	Score	714
Exons	2924..2961, 3073..3206, 4124..4259, 4333..4431		
GI Descrip.	5091529/dbj|BAA78764.1| 1.0e-71 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93459	Strand	-
Start	12452	End	13114
Name	OJ000250_17.0313.C13.o7.gp	Method	AAT/GAP
Start	12452	End	13114
GI	none	Score	668
Exons	12452..12605, 12702..12778, 12861..12940, 13008..13114		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o1.tm	Method	TBLASTX:Maize
Start	1387	End	18078
GI	none	Score	238
Exons	1387..1446, 1478..1507, 1519..1545, 1886..2083, 1897..2259, 1936..2253, 2830..2976, 2838..2963, 2839..2985, 3071..3181, 3071..3178, 3076..3180, 17995..18078		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o1.ts	Method	TBLASTX:Soybean
Start	1846	End	18078
GI	none	Score	325
Exons	1846..2259, 1904..2257, 2830..2931, 2836..2916, 3067..3201, 3073..3192, 3077..3199, 4125..4172, 17833..17970, 17995..18078		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o3.tc	Method	TBLASTX:Cress
Start	1891	End	2151
GI	none	Score	90
Exons	1891..2151, 1931..2068, 1942..2139		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	2092	End	18078
GI	none	Score	105
Exons	2092..2259, 2129..2257, 2822..2971, 2830..2976, 2831..2866, 2906..2977, 3071..3193, 3073..3201, 17995..18078		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o2.tc	Method	TBLASTX:Cress
Start	2173	End	3201
GI	none	Score	93
Exons	2173..2259, 2174..2257, 2830..2976, 2831..2866, 2831..2977, 2903..2977, 3076..3201, 3077..3199		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o2.tm	Method	TBLASTX:Maize

Start	4122	End	4548
GI	none	Score	110
Exons	4122..4253, 4123..4257, 4125..4256, 4324..4548, 4334..4528		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o2.tw	Method	TBLASTX:Wheat
Start	4122	End	4473
GI	none	Score	115
Exons	4122..4238, 4126..4269, 4324..4386, 4402..4473		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o1.tc	Method	TBLASTX:Cress
Start	4127	End	4536
GI	none	Score	43
Exons	4127..4216, 4128..4259, 4129..4260, 4312..4527, 4319..4534, 4324..4536		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o2.ts	Method	TBLASTX:Soybean
Start	4173	End	4539
GI	none	Score	68
Exons	4173..4259, 4174..4260, 4285..4521, 4319..4537, 4324..4539		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o4.np	Method	AAT/NAP
Start	17600	End	20629
GI	6587817	Score	119
Exons	17600..17736, 17764..18079, 20589..20629		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009696 wall-associated kinase 1 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o3.tm	Method	TBLASTX:Maize
Start	17763	End	17994
GI	none	Score	132
Exons	17763..17993, 17764..17994, 17768..17905, 17788..17994		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o5.np	Method	AAT/NAP
Start	17997	End	22656
GI	7486419	Score	159
Exons	17997..18092, 21788..22256, 22324..22656		
GI Descrip.	hypothetical protein F4D11.90 - Arabidopsis thaliana gi|3063699|emb|CAA18590.1| (AL022537) putative protein		

[Arabidopsis thaliana] gi|7270175|emb|CAB79988.1| (AL161581) putative protein kinase [Arabidopsis thaliana]

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o11.gp	Method	AAT/GAP
Start	19003	End	19523
GI	LIB3434-038-P1-K1-F1	Score	761
Exons	19003..19523		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44357	Seq. ID	OJ000250_17.0313.C13
Gene No.	93460	Strand	-
Start	17600	End	22656
Name	OJ000250_17.0313.C13.o12.gp	Method	AAT/GAP
Start	20108	End	20207
GI	none	Score	131
Exons	20108..20207		

Seq. No.	44358	Seq. ID	OJ000250_17.0313.C14
Gene No.	93461	Strand	+
Start	19	End	1194
Name	OJ000250_17.0313.C14.o1.gs	Method	GENSCAN
Start	19	End	1169
GI	none	Score	.89
Exons	19..153, 470..652, 746..839, 922..1169		

Seq. No.	44358	Seq. ID	OJ000250_17.0313.C14
Gene No.	93461	Strand	+
Start	19	End	1194
Name	OJ000250_17.0313.C14.o1.np	Method	AAT/NAP
Start	280	End	1194
GI	7340881	Score	176
Exons	280..417, 744..1194		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	44358	Seq. ID	OJ000250_17.0313.C14
Gene No.	93462	Strand	+
Start	2050	End	4111
Name	OJ000250_17.0313.C14.o3.np	Method	AAT/NAP
Start	2050	End	4111
GI	6721561	Score	138
Exons	2050..2140, 3318..3476, 4028..4111		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44358	Seq. ID	OJ000250_17.0313.C14
Gene No.	93463	Strand	-
Start	2178	End	4308
Name	OJ000250_17.0313.C14.o2.np	Method	AAT/NAP
Start	1928	End	2019
GI	4680183	Score	135

Exons	1928..2019		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	44358	Seq. ID	OJ000250_17.0313.C14
Gene No.	93463	Strand	-
Start	2178	End	4308
Name	OJ000250_17.0313.C14.o2.gs	Method	GENSCAN
Start	2178	End	4308
GI	none	Score	.47
Exons	2178..2283, 2465..2640, 4090..4308		
Seq. No.	44359	Seq. ID	OJ000250_17.0313.C16
Gene No.	93464	Strand	+
Start	253	End	557
Name	OJ000250_17.0313.C16.o1.gs	Method	GENSCAN
Start	253	End	557
GI	none	Score	.44
Exons	253..318, 480..557		
Seq. No.	44360	Seq. ID	OJ000250_17.0313.C17
Gene No.	93465	Strand	+
Start	458	End	1563
Name	OJ000250_17.0313.C17.o1.gs	Method	GENSCAN
Start	458	End	1510
GI	none	Score	.98
Exons	458..1510		
Seq. No.	44360	Seq. ID	OJ000250_17.0313.C17
Gene No.	93465	Strand	+
Start	458	End	1563
Name	OJ000250_17.0313.C17.o1.np	Method	AAT/NAP
Start	1067	End	1563
GI	6690749	Score	270
Exons	1067..1563		
GI Descrip.	(AF197924) resistance protein [Elaeis guineensis]		
Seq. No.	44361	Seq. ID	OJ000250_17.0313.C19
Gene No.	93466	Strand	+
Start	763	End	1498
Name	OJ000250_17.0313.C19.o1.gs	Method	GENSCAN
Start	763	End	1188
GI	none	Score	.46
Exons	763..999, 1057..1188		
Seq. No.	44361	Seq. ID	OJ000250_17.0313.C19
Gene No.	93466	Strand	+
Start	763	End	1498
Name	OJ000250_17.0313.C19.o1.np	Method	AAT/NAP
Start	908	End	1498
GI	5922620	Score	63
Exons	908..1110, 1436..1498		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44362	Seq. ID	OJ000250_17.0313.C20
Gene No.	93467	Strand	+
Start	1	End	1625
Name	OJ000250_17.0313.C20.o1.np	Method	AAT/NAP
Start	1	End	1625
GI	5922620	Score	275
Exons	1..131; 1494..1625		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44362	Seq. ID	OJ000250_17.0313.C20
Gene No.	93468	Strand	-
Start	1764	End	1841
Name	OJ000250_17.0313.C20.o2.np	Method	AAT/NAP
Start	1764	End	1841
GI	6630699	Score	95
Exons	1764..1841		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44362	Seq. ID	OJ000250_17.0313.C20
Gene No.	93469	Strand	-
Start	3435	End	3550
Name	OJ000250_17.0313.C20.o2.gs	Method	GENSCAN
Start	3435	End	3550
GI	none	Score	.76
Exons	3435..3550		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93470	Strand	+
Start	3484	End	4643
Name	OJ000250_17.0313.C22.o3.gs	Method	GENSCAN
Start	3484	End	4643
GI	none	Score	.57
Exons	3484..3783, 4491..4643		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93471	Strand	+
Start	5920	End	7935
Name	OJ000250_17.0313.C22.o4.gs	Method	GENSCAN
Start	5920	End	7935
GI	none	Score	.72
Exons	5920..5949, 6057..6107, 7021..7067, 7393..7463, 7750..7935		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93472	Strand	-
Start	1	End	631
Name	OJ000250_17.0313.C22.o1.np	Method	AAT/NAP
Start	1	End	631
GI	6721549	Score	188
Exons	1..631		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93472	Strand	-
Start	1	End	631
Name	OJ000250_17.0313.C22.o1.gs	Method	GENSCAN
Start	25	End	595
GI	none	Score	.82
Exons	25..595		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93473	Strand	-
Start	1346	End	2432
Name	OJ000250_17.0313.C22.o1.tm	Method	TBLASTX:Maize
Start	197	End	566
GI	none	Score	70
Exons	197..355, 197..466, 363..452, 462..566, 464..556		

Seq. No.	44363	Seq. ID	OJ000250_17.0313.C22
Gene No.	93473	Strand	-
Start	1346	End	2432
Name	OJ000250_17.0313.C22.o2.gs	Method	GENSCAN
Start	1346	End	2432
GI	none	Score	.54
Exons	1346..1752, 2257..2330, 2365..2432		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.gp	Method	AAT/GAP
Start	550	End	872
GI	2312728	Score	607
Exons	550..872		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.tc	Method	TBLASTX:Cress
Start	923	End	1873
GI	none	Score	85
Exons	923..1105, 954..1106, 1185..1316, 1198..1323, 1198..1311, 1203..1319, 1829..1873		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.gs	Method	GENSCAN
Start	941	End	4452
GI	none	Score	.69
Exons	941..1105, 1832..1964, 2472..2602, 3907..4059, 4267..4452		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.tm	Method	TBLASTX:Maize
Start	942	End	1319
GI	none	Score	123
Exons	942..1103, 956..1108, 957..1106, 1004..1108, 1203..1319,		

1204..1317

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.np	Method	AAT/NAP
Start	953	End	4371
GI	7485689	Score	861
Exons	953..1105, 1200..1316, 1832..2011, 2303..2435, 2508..2602, 3907..4059, 4267..4371		
GI Descrip.	hypothetical protein F18A5.120 - Arabidopsis thaliana gi|4455302|emb|CAB36837.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268077|emb|CAB78415.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o1.ts	Method	TBLASTX:Soybean
Start	959	End	1964
GI	none	Score	57
Exons	959..1048, 969..1061, 1037..1108, 1044..1106, 1160..1318, 1203..1319, 1204..1317, 1829..1963, 1830..1964		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o2.tm	Method	TBLASTX:Maize
Start	1831	End	2590
GI	none	Score	217
Exons	1831..2001, 1832..2011, 1833..2012, 2298..2366, 2302..2367, 2303..2371, 2303..2410, 2369..2446, 2370..2432, 2472..2585, 2477..2590, 2514..2570, 2519..2587		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o2.tc	Method	TBLASTX:Cress
Start	2297	End	4032
GI	none	Score	92
Exons	2297..2380, 2300..2452, 2301..2435, 2522..2617, 2537..2587, 3893..3973, 3907..4032		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o2.ts	Method	TBLASTX:Soybean
Start	2315	End	4386
GI	none	Score	126
Exons	2315..2431, 2316..2411, 2320..2433, 2522..2593, 2533..2604, 2534..2617, 3893..3958, 3907..3987, 4255..4386, 4268..4375		

Seq. No.	44364	Seq. ID	OJ000250_17.0313.C25
Gene No.	93474	Strand	-
Start	941	End	4452
Name	OJ000250_17.0313.C25.o3.tm	Method	TBLASTX:Maize
Start	3899	End	4381

GI	none	Score	121
Exons	3899..4087, 3905..4057, 3907..4074, 4267..4380, 4268..4381		

Seq. No.	44365	Seq. ID	OJ000250_17.0313.C26
Gene No.	93475	Strand	-
Start	994	End	1368
Name	OJ000250_17.0313.C26.o1.gs	Method	GENSCAN
Start	994	End	1368
GI	none	Score	.73
Exons	994..1106, 1202..1368		

Seq. No.	44366	Seq. ID	OJ000250_17.0313.C27
Gene No.	93476	Strand	+
Start	193	End	1252
Name	OJ000250_17.0313.C27.o1.gs	Method	GENSCAN
Start	193	End	1252
GI	none	Score	.48
Exons	193..250, 1164..1252		

Seq. No.	44367	Seq. ID	OJ000250_17.0313.C30
Gene No.	93477	Strand	+
Start	1	End	1494
Name	OJ000250_17.0313.C30.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	6815052	Score	292
Exons	1..133, 433..533, 1402..1494		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44367	Seq. ID	OJ000250_17.0313.C30
Gene No.	93478	Strand	+
Start	1713	End	2087
Name	OJ000250_17.0313.C30.o2.np	Method	AAT/NAP
Start	1713	End	2087
GI	6705984	Score	214
Exons	1713..2087		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	44368	Seq. ID	OJ000250_17.0313.C31
Gene No.	93479	Strand	+
Start	331	End	857
Name	OJ000250_17.0313.C31.o1.gp	Method	AAT/GAP
Start	331	End	857
GI	61605_3.R1084	Score	371
Exons	331..588, 834..857		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	44368	Seq. ID	OJ000250_17.0313.C31
Gene No.	93480	Strand	-
Start	138	End	235
Name	OJ000250_17.0313.C31.o1.gs	Method	GENSCAN
Start	138	End	235
GI	none	Score	.9
Exons	138..235		

Seq. No.	44369	Seq. ID	OJ000250_17.0313.C33
Gene No.	93481	Strand	-

Start	476	End	1270
Name	OJ000250_17.0313.C33.o1.gs	Method	GENSCAN
Start	476	End	1270
GI	none	Score	.8
Exons	476..834, 1150..1270		

Seq. No.	44370	Seq. ID	OJ000250_17.0313.C34
Gene No.	93482	Strand	-
Start	94	End	768
Name	OJ000250_17.0313.C34.o1.gs	Method	GENSCAN
Start	94	End	768
GI	none	Score	.46
Exons	94..262, 728..768		

Seq. No.	44371	Seq. ID	OJ000250_17.0313.C38
Gene No.	93483	Strand	-
Start	247	End	2273
Name	OJ000250_17.0313.C38.o1.gs	Method	GENSCAN
Start	247	End	2273
GI	none	Score	.54
Exons	247..424, 1152..1287, 1861..1909, 2181..2273		

Seq. No.	44372	Seq. ID	OJ000250_17.0313.C40
Gene No.	93484	Strand	+
Start	317	End	1047
Name	OJ000250_17.0313.C40.o1.gs	Method	GENSCAN
Start	317	End	1047
GI	none	Score	.41
Exons	317..347, 904..1047		

Seq. No.	44373	Seq. ID	OJ000250_17.0313.C42
Gene No.	93485	Strand	-
Start	1068	End	1508
Name	OJ000250_17.0313.C42.o1.gs	Method	GENSCAN
Start	1068	End	1508
GI	none	Score	.54
Exons	1068..1270, 1355..1508		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-
Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.gs	Method	GENSCAN
Start	84	End	3591
GI	none	Score	.93
Exons	84..231, 1161..3164, 3536..3591		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-
Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.np	Method	AAT/NAP
Start	1118	End	2936
GI	6721547	Score	545
Exons	1118..1489, 1538..2936		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-

Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.tc	Method	TBLASTX:Cress
Start	2054	End	3169
GI	none	Score	81
Exons	2054..2248, 2342..2386, 2417..2590, 2609..2767, 3050..3169		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-
Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.tm	Method	TBLASTX:Maize
Start	2075	End	2537
GI	none	Score	91
Exons	2075..2194, 2076..2204, 2169..2327, 2187..2324, 2198..2335, 2204..2329, 2336..2533, 2352..2537, 2394..2537		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-
Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.tw	Method	TBLASTX:Wheat
Start	2180	End	2644
GI	none	Score	63
Exons	2180..2320, 2180..2320, 2342..2386, 2355..2624, 2393..2638, 2420..2644		

Seq. No.	44374	Seq. ID	OJ000250_17.0313.C43
Gene No.	93486	Strand	-
Start	84	End	3591
Name	OJ000250_17.0313.C43.o1.ts	Method	TBLASTX:Soybean
Start	2426	End	3163
GI	none	Score	37
Exons	2426..2581, 2451..2513, 2594..2746, 2604..2747, 2816..2872, 2835..2873, 3065..3163		

Seq. No.	44375	Seq. ID	OJ000250_17.0313.C44
Gene No.	93487	Strand	+
Start	1012	End	1478
Name	OJ000250_17.0313.C44.o1.gs	Method	GENSCAN
Start	1012	End	1478
GI	none	Score	.57
Exons	1012..1101, 1369..1478		

Seq. No.	44375	Seq. ID	OJ000250_17.0313.C44
Gene No.	93488	Strand	-
Start	1	End	190
Name	OJ000250_17.0313.C44.o1.np	Method	AAT/NAP
Start	1	End	190
GI	7340909	Score	115
Exons	1..190		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44376	Seq. ID	OJ000250_17.0313.C45
Gene No.	93489	Strand	-
Start	665	End	930
Name	OJ000250_17.0313.C45.o1.gs	Method	GENSCAN
Start	665	End	930
GI	none	Score	.91
Exons	665..712, 850..930		

Seq. No.	44377	Seq. ID	OJ000250_17.0313.C47
Gene No.	93490	Strand	-
Start	1	End	1525
Name	OJ000250_17.0313.C47.o1.np	Method	AAT/NAP
Start	1	End	1525
GI	7489516	Score	171
Exons	1..25, 981..1525		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792222|gb|AAB96986.1| (AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	44378	Seq. ID	OJ000250_17.0313.C48
Gene No.	93491	Strand	-
Start	60	End	3390
Name	OJ000250_17.0313.C48.o1.gs	Method	GENSCAN
Start	60	End	3390
GI	none	Score	.54
Exons	60..210, 1420..1627, 1841..2030, 3253..3390		

Seq. No.	44378	Seq. ID	OJ000250_17.0313.C48
Gene No.	93492	Strand	-
Start	4453	End	4660
Name	OJ000250_17.0313.C48.o2.gs	Method	GENSCAN
Start	4453	End	4660
GI	none	Score	.96
Exons	4453..4660		

Seq. No.	44379	Seq. ID	OJ000250_17.0313.C49
Gene No.	93493	Strand	+
Start	198	End	2794
Name	OJ000250_17.0313.C49.o1.gs	Method	GENSCAN
Start	198	End	1027
GI	none	Score	.6
Exons	198..443, 489..783, 873..1027		

Seq. No.	44379	Seq. ID	OJ000250_17.0313.C49
Gene No.	93493	Strand	+
Start	198	End	2794
Name	OJ000250_17.0313.C49.o1.np	Method	AAT/NAP
Start	489	End	2794
GI	4680183	Score	226
Exons	489..1065, 2709..2794		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44380	Seq. ID	OJ000250_17.0313.C50
Gene No.	93494	Strand	-
Start	947	End	1908
Name	OJ000250_17.0313.C50.o1.np	Method	AAT/NAP
Start	947	End	1908
GI	6063554	Score	105
Exons	947..1120, 1875..1908		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44380	Seq. ID	OJ000250_17.0313.C50

Gene No.	93494	Strand	-
Start	947	End	1908
Name	OJ000250_17.0313.C50.o1.gp	Method	AAT/GAP
Start	1697	End	1776
GI	uC-osroM202024h08a1	Score	81
Exons	1697..1776		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44381	Seq. ID	OJ000250_17.0313.C51
Gene No.	93495	Strand	+
Start	2060	End	4293
Name	OJ000250_17.0313.C51.o1.gs	Method	GENSCAN
Start	2060	End	4293
GI	none	Score	.61
Exons	2060..3244, 3328..4293		

Seq. No.	44382	Seq. ID	OJ000250_17.0313.C52
Gene No.	93496	Strand	-
Start	135	End	1393
Name	OJ000250_17.0313.C52.o1.np	Method	AAT/NAP
Start	135	End	1372
GI	6979320	Score	619
Exons	135..584, 670..1073, 1206..1372		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	44382	Seq. ID	OJ000250_17.0313.C52
Gene No.	93496	Strand	-
Start	135	End	1393
Name	OJ000250_17.0313.C52.o1.gs	Method	GENSCAN
Start	136	End	1389
GI	none	Score	.6
Exons	136..262, 492..584, 710..799, 894..1011, 1039..1389		

Seq. No.	44382	Seq. ID	OJ000250_17.0313.C52
Gene No.	93496	Strand	-
Start	135	End	1393
Name	OJ000250_17.0313.C52.o1.gp	Method	AAT/GAP
Start	890	End	1393
GI	none	Score	706
Exons	890..921, 1039..1393		

Seq. No.	44383	Seq. ID	OJ000250_17.0313.C53
Gene No.	93497	Strand	+
Start	56	End	1825
Name	OJ000250_17.0313.C53.o1.gs	Method	GENSCAN
Start	56	End	1825
GI	none	Score	.63
Exons	56..464, 610..1321, 1519..1825		

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o1.np	Method	AAT/NAP
Start	1	End	1381
GI	6539553	Score	2265
Exons	1..1381		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o1.tw	Method	TBLASTX:Wheat
Start	3	End	257
GI	none	Score	41
Exons	3..44, 6..257, 21..254, 38..256		

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o2.tm	Method	TBLASTX:Maize
Start	3	End	332
GI	none	Score	61
Exons	3..332, 4..123		

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o1.ts	Method	TBLASTX:Soybean
Start	120	End	506
GI	none	Score	89
Exons	120..368, 351..506		

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o1.tm	Method	TBLASTX:Maize
Start	533	End	855
GI	none	Score	370
Exons	533..724, 534..848, 535..828, 601..855		

Seq. No.	44384	Seq. ID	OJ000250_17.0313.C54
Gene No.	93498	Strand	-
Start	1	End	1381
Name	OJ000250_17.0313.C54.o1.gs	Method	GENSCAN
Start	809	End	1171
GI	none	Score	.73
Exons	809..833, 946..1171		

Seq. No.	44385	Seq. ID	OJ000250_17.0313.C57
Gene No.	93499	Strand	-
Start	1	End	1273
Name	OJ000250_17.0313.C57.o1.np	Method	AAT/NAP
Start	1	End	1273
GI	5091513	Score	2175
Exons	1..1273		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	44385	Seq. ID	OJ000250_17.0313.C57
Gene No.	93499	Strand	-
Start	1	End	1273

Name	OJ000250_17.0313.C57.o1.gs	Method	GENSCAN
Start	19	End	1188
GI	none	Score	.96
Exons	19..1188		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93500	Strand	+
Start	130	End	548
Name	OJ000250_17.0313.C58.o1.gs	Method	GENSCAN
Start	130	End	548
GI	none	Score	.5
Exons	130..548		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93501	Strand	+
Start	6933	End	9180
Name	OJ000250_17.0313.C58.o2.gp	Method	AAT/GAP
Start	6933	End	8397
GI	LIB3477-004-P1-K1-D10	Score	779
Exons	6933..6990, 7849..7925, 8102..8397		
GI Descrip.	'5091516/dbj|BAA78751.1| 4.0e-58 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93501	Strand	+
Start	6933	End	9180
Name	OJ000250_17.0313.C58.o4.gs	Method	GENSCAN
Start	7890	End	8965
GI	none	Score	.58
Exons	7890..7925, 8102..8965		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93501	Strand	+
Start	6933	End	9180
Name	OJ000250_17.0313.C58.o3.gp	Method	AAT/GAP
Start	8423	End	9180
GI	92272_1.R1084	Score	1422
Exons	8423..9180		
GI Descrip.	'5091516/dbj|BAA78751.1| 2.0e-59 (AB023482) ESTs C72761(E2193),AU056875(S20945), AU056876(S20945) correspond to a region of the predicted gene.; Similar to Thermus thermophilus gene for homocitrate synthase, homoaconitate hydratase, and ORF,complete and part'		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93502	Strand	+
Start	10346	End	19688
Name	OJ000250_17.0313.C58.o5.gs	Method	GENSCAN
Start	10346	End	19688
GI	none	Score	.61
Exons	10346..10463, 10583..10742, 13415..13486, 14345..14416, 15138..15206, 16457..16522, 17661..17705, 18460..18521, 18788..19092, 19216..19402, 19504..19688		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93502	Strand	+
Start	10346	End	19688
Name	OJ000250_17.0313.C58.o4.gp	Method	AAT/GAP
Start	18968	End	19586
GI	286986	Score	677
Exons	18968..19092, 19216..19402, 19504..19586		
GI Descrip.	6056372/gb|AAF02836.1|AC009894_7 2.0e-24 (AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93503	Strand	+
Start	19676	End	20058
Name	OJ000250_17.0313.C58.o5.gp	Method	AAT/GAP
Start	19676	End	20058
GI	4714092	Score	689
Exons	19676..20058		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 1.0e-173 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93504	Strand	+
Start	21988	End	22524
Name	OJ000250_17.0313.C58.o6.gp	Method	AAT/GAP
Start	21988	End	22524
GI	31845_1.R1084	Score	1005
Exons	21988..22524		
GI Descrip.	'5091520/dbj|BAA78755.1| 8.0e-76 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93505	Strand	+
Start	22529	End	22966
Name	OJ000250_17.0313.C58.o7.gp	Method	AAT/GAP
Start	22529	End	22966
GI	8546_1.R1084	Score	817
Exons	22529..22966		
GI Descrip.	'5091520/dbj|BAA78755.1| 2.0e-42 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93506	Strand	+
Start	25665	End	27798
Name	OJ000250_17.0313.C58.o7.gs	Method	GENSCAN
Start	25665	End	27798
GI	none	Score	.5
Exons	25665..25671, 25752..25871, 26186..26236, 26543..26662, 27141..27334, 27386..27469, 27499..27798		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93507	Strand	+
Start	30235	End	30515
Name	OJ000250_17.0313.C58.o8.gp	Method	AAT/GAP

Start	30235	End	30515
GI	LIB3433-029-P1-K1-B10	Score	223
Exons	30235..30382, 30491..30515		
GI Descrip.	'5091522/dbj|BAA78757.1| 4.0e-19 (AB023482) Similar to Arabidopsis thaliana chromosome II BAC T20K24 genomic sequence, complete sequence.(AC002392) [Oryza sativa]'		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93508	Strand	-
Start	1188	End	2633
Name	OJ000250_17.0313.C58.o2.gs	Method	GENSCAN
Start	1188	End	2633
GI	none	Score	.94
Exons	1188..2633		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93509	Strand	-
Start	3002	End	3250
Name	OJ000250_17.0313.C58.o1.gp	Method	AAT/GAP
Start	3002	End	3250
GI	3761181	Score	406
Exons	3002..3250		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93510	Strand	-
Start	5090	End	7013
Name	OJ000250_17.0313.C58.o3.gs	Method	GENSCAN
Start	5090	End	7013
GI	none	Score	.68
Exons	5090..5327, 5744..5786, 6330..6525, 6666..6893, 6957..7013		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93511	Strand	-
Start	20733	End	22855
Name	OJ000250_17.0313.C58.o6.gs	Method	GENSCAN
Start	20733	End	22855
GI	none	Score	.79
Exons	20733..21131, 21217..21438, 22013..22855		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o2.tm	Method	TBLASTX:Maize
Start	8101	End	8658
GI	none	Score	813
Exons	8101..8412, 8102..8653, 8103..8654, 8142..8462, 8435..8653, 8538..8657, 8539..8658		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o2.tc	Method	TBLASTX:Cress
Start	8138	End	8437
GI	none	Score	115
Exons	8138..8272, 8204..8245, 8279..8437, 8281..8403		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o2.ts	Method	TBLASTX:Soybean
Start	8378	End	8695
GI	none	Score	228
Exons	8378..8695		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o3.tc	Method	TBLASTX:Cress
Start	8707	End	8947
GI	none	Score	195
Exons	8707..8913, 8708..8947, 8726..8920		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o3.tm	Method	TBLASTX:Maize
Start	8710	End	8989
GI	none	Score	416
Exons	8710..8967, 8711..8989		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o4.tc	Method	TBLASTX:Cress
Start	18808	End	19398
GI	none	Score	37
Exons	18808..18882, 18931..19044, 19064..19093, 19207..19398, 19233..19397		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o1.tm	Method	TBLASTX:Maize
Start	21991	End	22972
GI	none	Score	104
Exons	21991..22104, 22000..22302, 22001..22504, 22241..22312, 22354..22503, 22432..22578, 22499..22651, 22502..22834, 22645..22830, 22712..22837, 22811..22867, 22864..22959, 22868..22969, 22886..22972		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o1.tc	Method	TBLASTX:Cress
Start	22010	End	22795
GI	none	Score	872
Exons	22010..22705, 22048..22137, 22192..22302, 22354..22704, 22717..22794, 22718..22795		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392

Name	OJ000250_17.0313.C58.o1.tw	Method	TBLASTX:Wheat
Start	22030	End	22677
GI	none	Score	125
Exons	22030..22134, 22031..22135, 22258..22302, 22259..22675, 22259..22312, 22354..22578, 22463..22651, 22645..22677		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o1.ts	Method	TBLASTX:Soybean
Start	22048	End	22705
GI	none	Score	727
Exons	22048..22302, 22049..22612, 22241..22312, 22354..22578, 22409..22603, 22613..22705, 22645..22704		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o8.gs	Method	GENSCAN
Start	29735	End	30392
GI	none	Score	.52
Exons	29735..29835, 30017..30243, 30313..30392		

Seq. No.	44386	Seq. ID	OJ000250_17.0313.C58
Gene No.	93512	Strand	-
Start	29735	End	30392
Name	OJ000250_17.0313.C58.o4.tm	Method	TBLASTX:Maize
Start	30234	End	30392
GI	none	Score	188
Exons	30234..30269, 30264..30392, 30265..30390		

Seq. No.	44387	Seq. ID	OJ000250_17.0313.C60
Gene No.	93513	Strand	+
Start	116	End	2066
Name	OJ000250_17.0313.C60.o1.gs	Method	GENSCAN
Start	116	End	2066
GI	none	Score	.5
Exons	116..161, 432..485, 614..768, 2004..2066		

Seq. No.	44387	Seq. ID	OJ000250_17.0313.C60
Gene No.	93514	Strand	+
Start	3244	End	3301
Name	OJ000250_17.0313.C60.o2.gs	Method	GENSCAN
Start	3244	End	3301
GI	none	Score	.88
Exons	3244..3301		

Seq. No.	44388	Seq. ID	OJ000250_17.0313.C62
Gene No.	93515	Strand	-
Start	1	End	909
Name	OJ000250_17.0313.C62.o1.np	Method	AAT/NAP
Start	1	End	909
GI	7489509	Score	281
Exons	1..530, 867..909		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	44388	Seq. ID	OJ000250_17.0313.C62
Gene No.	93515	Strand	-
Start	1	End	909
Name	OJ000250_17.0313.C62.o1.ts	Method	TBLASTX:Soybean
Start	83	End	567
GI	none	Score	42
Exons	83..106, 139..207, 211..342, 265..345, 385..567, 419..481		

Seq. No.	44388	Seq. ID	OJ000250_17.0313.C62
Gene No.	93515	Strand	-
Start	1	End	909
Name	OJ000250_17.0313.C62.o1.gs	Method	GENSCAN
Start	127	End	549
GI	none	Score	.89
Exons	127..549		

Seq. No.	44388	Seq. ID	OJ000250_17.0313.C62
Gene No.	93515	Strand	-
Start	1	End	909
Name	OJ000250_17.0313.C62.o1.tm	Method	TBLASTX:Maize
Start	139	End	540
GI	none	Score	85
Exons	139..198, 166..540, 272..481		

Seq. No.	44389	Seq. ID	OJ000250_17.0313.C65
Gene No.	93516	Strand	+
Start	1	End	739
Name	OJ000250_17.0313.C65.o1.np	Method	AAT/NAP
Start	1	End	739
GI	6815052	Score	752
Exons	1..580, 722..739		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44390	Seq. ID	OJ000250_17.0313.C71
Gene No.	93517	Strand	+
Start	297	End	965
Name	OJ000250_17.0313.C71.o1.np	Method	AAT/NAP
Start	297	End	965
GI	6642651	Score	540
Exons	297..965		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	44390	Seq. ID	OJ000250_17.0313.C71
Gene No.	93517	Strand	+
Start	297	End	965
Name	OJ000250_17.0313.C71.o1.ts	Method	TBLASTX:Soybean
Start	521	End	850
GI	none	Score	440
Exons	521..850, 526..849		

Seq. No.	44391	Seq. ID	OJ000250_17.0313.C72
Gene No.	93518	Strand	+
Start	1	End	1257
Name	OJ000250_17.0313.C72.o1.np	Method	AAT/NAP
Start	1	End	1257
GI	6642651	Score	639

Exons	1..370, 479..628, 742..937, 1126..1257		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		
Seq. No.	44391	Seq. ID	OJ000250_17.0313.C72
Gene No.	93518	Strand	+
Start	1	End	1257
Name	OJ000250_17.0313.C72.o1.gs	Method	GENSCAN
Start	52	End	628
GI	none	Score	.69
Exons	52..183, 208..370, 479..628		
Seq. No.	44391	Seq. ID	OJ000250_17.0313.C72
Gene No.	93518	Strand	+
Start	1	End	1257
Name	OJ000250_17.0313.C72.o1.tc	Method	TBLASTX:Cress
Start	245	End	925
GI	none	Score	103
Exons	245..370, 459..542, 476..586, 733..921, 767..925	476..553, 478..558, 732..899,	
Seq. No.	44391	Seq. ID	OJ000250_17.0313.C72
Gene No.	93518	Strand	+
Start	1	End	1257
Name	OJ000250_17.0313.C72.o1.tm	Method	TBLASTX:Maize
Start	518	End	907
GI	none	Score	136
Exons	518..628, 520..639, 520..615, 740..907	733..900, 733..846, 735..899,	
Seq. No.	44392	Seq. ID	OJ000250_17.0313.C76
Gene No.	93519	Strand	-
Start	46	End	541
Name	OJ000250_17.0313.C76.o1.np	Method	AAT/NAP
Start	46	End	541
GI	5091524	Score	637
Exons	46..139, 225..541		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	44392	Seq. ID	OJ000250_17.0313.C76
Gene No.	93519	Strand	-
Start	46	End	541
Name	OJ000250_17.0313.C76.o1.gs	Method	GENSCAN
Start	225	End	505
GI	none	Score	.61
Exons	225..505		
Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93520	Strand	+
Start	6451	End	7808
Name	OJ000350_19.0313.C3.o2.gs	Method	GENSCAN
Start	6451	End	7808
GI	none	Score	.61
Exons	6451..6465, 7144..7374, 7671..7808		
Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93521	Strand	+
Start	12591	End	14351

Name	OJ000350_19.0313.C3.o4.gs	Method	GENSCAN
Start	12591	End	14351
GI	none	Score	.69
Exons	12591..12596, 13203..13334, 14211..14351		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93522	Strand	+
Start	15288	End	17232
Name	OJ000350_19.0313.C3.o5.gs	Method	GENSCAN
Start	15288	End	17127
GI	none	Score	.88
Exons	15288..15407, 15888..15951, 16415..17127		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93522	Strand	+
Start	15288	End	17232
Name	OJ000350_19.0313.C3.o3.np	Method	AAT/NAP
Start	15301	End	15425
GI	2760323	Score	110
Exons	15301..15425		
GI Descrip.	(AC002130) F1N21.8 [Arabidopsis thaliana]		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93522	Strand	+
Start	15288	End	17232
Name	OJ000350_19.0313.C3.o4.gp	Method	AAT/GAP
Start	15821	End	17232
GI	6573148	Score	1100
Exons	15821..15879, 16518..17232		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93523	Strand	-
Start	2133	End	5505
Name	OJ000350_19.0313.C3.o1.gs	Method	GENSCAN
Start	2133	End	4646
GI	none	Score	.95
Exons	2133..4646		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93523	Strand	-
Start	2133	End	5505
Name	OJ000350_19.0313.C3.o1.np	Method	AAT/NAP
Start	2136	End	5505
GI	7529278	Score	1883
Exons	2136..4487, 5377..5505		
GI Descrip.	(AL163491) putative protein [Arabidopsis thaliana]		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93524	Strand	-
Start	9374	End	11536
Name	OJ000350_19.0313.C3.o1.gp	Method	AAT/GAP
Start	9172	End	9519
GI	none	Score	668
Exons	9172..9519		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93524	Strand	-
Start	9374	End	11536
Name	OJ000350_19.0313.C3.o3.gs	Method	GENSCAN
Start	9374	End	11506
GI	none	Score	.99
Exons	9374..11506		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93524	Strand	-
Start	9374	End	11536
Name	OJ000350_19.0313.C3.o2.np	Method	AAT/NAP
Start	9377	End	11536
GI	7258357	Score	2364
Exons	9377..11536		
GI Descrip.	(AL138656) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93525	Strand	-
Start	14418	End	14587
Name	OJ000350_19.0313.C3.o2.gp	Method	AAT/GAP
Start	14418	End	14587
GI	2280831	Score	226
Exons	14418..14587		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o3.ts	Method	TBLASTX:Soybean
Start	2127	End	2351
GI	none	Score	154
Exons	2127..2351, 2134..2340		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o2.tc	Method	TBLASTX:Cress
Start	2130	End	2666
GI	none	Score	68
Exons	2130..2666, 2133..2282, 2134..2637		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o3.tm	Method	TBLASTX:Maize
Start	2130	End	2387
GI	none	Score	150
Exons	2130..2387, 2131..2340		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o2.ts	Method	TBLASTX:Soybean
Start	2361	End	2894
GI	none	Score	87
Exons	2361..2894, 2362..2490, 2521..2886		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o2.tm	Method	TBLASTX:Maize
Start	2388	End	4364
GI	none	Score	73
Exons	2388..3251, 2521..2634, 2716..2952, 2940..3266, 2976..3137, 3025..3135, 3165..3569, 3183..3368, 3213..3236, 3234..3578, 3279..3446, 3279..3632, 3471..3740, 3537..3866, 3579..3806, 3642..3785, 3861..4109, 4140..4349, 4143..4361, 4221..4364		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o4.tc	Method	TBLASTX:Cress
Start	2667	End	4250
GI	none	Score	130
Exons	2667..2789, 2793..3353, 3174..3650, 3489..3956, 3792..4250		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o2.tw	Method	TBLASTX:Wheat
Start	2832	End	4166
GI	none	Score	62
Exons	2832..3311, 2833..2967, 3219..3608, 3492..3749, 3789..3908, 3831..4166		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o4.ts	Method	TBLASTX:Soybean
Start	2895	End	4361
GI	none	Score	91
Exons	2895..3254, 3025..3141, 3198..3575, 3226..3369, 3490..3576, 3504..3881, 3528..3794, 3583..3879, 3831..4178, 4140..4361		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o1.ts	Method	TBLASTX:Soybean
Start	9382	End	10990
GI	none	Score	173
Exons	9382..9642, 9428..10033, 9450..10001, 9491..9700, 10034..10264, 10098..10130, 10172..10465, 10233..10460, 10334..10462, 10400..10444, 10442..10735, 10443..10499, 10469..10684, 10493..10597, 10880..10990		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o3.tw	Method	TBLASTX:Wheat
Start	9475	End	10639
GI	none	Score	87
Exons	9475..9621, 9476..9631, 9491..9766, 9510..9737, 10397..10465, 10472..10576, 10493..10639		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o1.tc	Method	TBLASTX:Cress
Start	9497	End	11041
GI	none	Score	63
Exons	9497..9685, 10343..10456, 10350..10445, 10472..10726, 10472..10741, 10838..11041		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o1.tm	Method	TBLASTX:Maize
Start	9519	End	11020
GI	none	Score	722
Exons	9519..10130, 9520..10071, 9521..10309, 10233..10310, 10493..10597, 10880..11020		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o1.tw	Method	TBLASTX:Wheat
Start	9896	End	10990
GI	none	Score	335
Exons	9896..10171, 9896..10345, 9901..10215, 10233..10346, 10895..10990, 10899..10961		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o3.tc	Method	TBLASTX:Cress
Start	9953	End	10343
GI	none	Score	74
Exons	9953..10156, 9954..10001, 9959..10129, 10166..10342, 10233..10343		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o4.tm	Method	TBLASTX:Maize
Start	10598	End	10879
GI	none	Score	214
Exons	10598..10879, 10598..10747, 10820..10879		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o5.ts	Method	TBLASTX:Soybean
Start	10820	End	11446
GI	none	Score	54
Exons	10820..10879, 10830..10880, 10991..11047, 10992..11048, 11099..11221, 11294..11341, 11414..11446		

Seq. No.	44393	Seq. ID	OJ000350_19.0313.C3
Gene No.	93526	Strand	-
Start	17345	End	18592
Name	OJ000350_19.0313.C3.o6.gs	Method	GENSCAN

Start	17345	End	18592
GI	none	Score	.68
Exons	17345..17461, 18533..18592		

Seq. No.	44394	Seq. ID	OJ000350_19.0313.C4
Gene No.	93527	Strand	-
Start	1	End	3237
Name	OJ000350_19.0313.C4.o1.np	Method	AAT/NAP
Start	1	End	3237
GI	7228438	Score	589
Exons	1..57, 671..979, 2341..2589, 2682..2943, 3048..3237		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44394	Seq. ID	OJ000350_19.0313.C4
Gene No.	93527	Strand	-
Start	1	End	3237
Name	OJ000350_19.0313.C4.o1.gs	Method	GENSCAN
Start	549	End	3163
GI	none	Score	.69
Exons	549..585, 768..991, 1380..1633, 1697..1817, 1824..2139, 2197..2219, 2334..2435, 2482..2589, 2682..2943, 3048..3163		

Seq. No.	44394	Seq. ID	OJ000350_19.0313.C4
Gene No.	93527	Strand	-
Start	1	End	3237
Name	OJ000350_19.0313.C4.o1.gp	Method	AAT/GAP
Start	2004	End	2434
GI	LIB3433-020-P1-K1-A6	Score	702
Exons	2004..2434		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44395	Seq. ID	OJ000350_19.0313.C5
Gene No.	93528	Strand	-
Start	1	End	1276
Name	OJ000350_19.0313.C5.o1.np	Method	AAT/NAP
Start	1	End	1016
GI	5441880	Score	441
Exons	1..114, 435..768, 877..1016		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	44395	Seq. ID	OJ000350_19.0313.C5
Gene No.	93528	Strand	-
Start	1	End	1276
Name	OJ000350_19.0313.C5.o1.gs	Method	GENSCAN
Start	191	End	1276
GI	none	Score	.52
Exons	191..349, 435..801, 914..1030, 1248..1276		

Seq. No.	44395	Seq. ID	OJ000350_19.0313.C5
Gene No.	93528	Strand	-
Start	1	End	1276
Name	OJ000350_19.0313.C5.o1.tw	Method	TBLASTX:Wheat

Start	281	End	710
GI	none	Score	108
Exons	281..355, 528..647, 529..648, 646..696, 657..710		

Seq. No.	44396	Seq. ID	OJ000350_19.0313.C6
Gene No.	93529	Strand	-
Start	1	End	709
Name	OJ000350_19.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	709
GI	7228442	Score	840
Exons	1..709		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44396	Seq. ID	OJ000350_19.0313.C6
Gene No.	93529	Strand	-
Start	1	End	709
Name	OJ000350_19.0313.C6.o1.gs	Method	GENSCAN
Start	52	End	681
GI	none	Score	.67
Exons	52..681		

Seq. No.	44397	Seq. ID	OJ000350_19.0313.C9
Gene No.	93530	Strand	-
Start	67	End	4242
Name	OJ000350_19.0313.C9.o1.np	Method	AAT/NAP
Start	67	End	3106
GI	6815109	Score	273
Exons	67..244, 288..669, 835..1316, 1343..1490, 1612..1680, 3078..3106		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44397	Seq. ID	OJ000350_19.0313.C9
Gene No.	93530	Strand	-
Start	67	End	4242
Name	OJ000350_19.0313.C9.o2.np	Method	AAT/NAP
Start	2390	End	2529
GI	4680183	Score	129
Exons	2390..2529		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44397	Seq. ID	OJ000350_19.0313.C9
Gene No.	93530	Strand	-
Start	67	End	4242
Name	OJ000350_19.0313.C9.o2.gs	Method	GENSCAN
Start	2668	End	4242
GI	none	Score	.63
Exons	2668..2874, 2995..3105, 3650..3848, 4163..4242		

Seq. No.	44398	Seq. ID	OJ000350_19.0313.C10
Gene No.	93531	Strand	-
Start	1	End	3342
Name	OJ000350_19.0313.C10.o1.np	Method	AAT/NAP
Start	1	End	3342
GI	7106512	Score	1071
Exons	1..625, 658..722, 1233..2280, 2879..2932, 3016..3209, 3282..3342		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	44398	Seq. ID	OJ000350_19.0313.C10
Gene No.	93531	Strand	-
Start	1	End	3342
Name	OJ000350_19.0313.C10.o1.gs	Method	GENSCAN
Start	57	End	2243
GI	none	Score	.52
Exons	57..526, 1407..1518, 1601..1933, 1984..2243		

Seq. No.	44399	Seq. ID	OJ000350_19.0313.C11
Gene No.	93532	Strand	+
Start	135	End	181
Name	OJ000350_19.0313.C11.o1.gs	Method	GENSCAN
Start	135	End	181
GI	none	Score	.78
Exons	135..181		

Seq. No.	44400	Seq. ID	OJ000350_19.0313.C12
Gene No.	93533	Strand	+
Start	966	End	5413
Name	OJ000350_19.0313.C12.o1.gs	Method	GENSCAN
Start	966	End	5413
GI	none	Score	.61
Exons	966..1045, 2159..2226, 2367..2656, 4112..4289, 5307..5413		

Seq. No.	44400	Seq. ID	OJ000350_19.0313.C12
Gene No.	93534	Strand	+
Start	7054	End	9283
Name	OJ000350_19.0313.C12.o2.gs	Method	GENSCAN
Start	7054	End	9283
GI	none	Score	.71
Exons	7054..7295, 8822..8940, 9045..9283		

Seq. No.	44400	Seq. ID	OJ000350_19.0313.C12
Gene No.	93535	Strand	+
Start	11005	End	13758
Name	OJ000350_19.0313.C12.o3.gs	Method	GENSCAN
Start	11005	End	13758
GI	none	Score	.64
Exons	11005..11073, 11540..11648, 11843..11902, 12037..12416, 12441..12939, 13028..13060, 13121..13758		

Seq. No.	44400	Seq. ID	OJ000350_19.0313.C12
Gene No.	93536	Strand	-
Start	4098	End	13814
Name	OJ000350_19.0313.C12.o1.np	Method	AAT/NAP
Start	4098	End	13814
GI	4826998	Score	49
Exons	4098..4214, 12295..12426, 13671..13814		
GI Descrip.	splicing factor proline/glutamine rich (polypyrimidine tract-binding protein-associated) gi|1709851|sp|P23246|PSF_HUMAN PTB-ASSOCIATED SPLICING FACTOR (PSF) gi|423054|pir||A46302 PTB-associated splicing factor, long form - human gi|38458|emb|CAA50283| (X70944) PTB-associated splicing factor [Homo sapiens]		

Seq. No.	44401	Seq. ID	OJ000350_19.0313.C17
Gene No.	93537	Strand	-
Start	427	End	540
Name	OJ000350_19.0313.C17.o1.gs	Method	GENSCAN
Start	427	End	540
GI	none	Score	.86
Exons	427..540		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93538	Strand	+
Start	383	End	11425
Name	OJ000350_19.0313.C39.o1.gs	Method	GENSCAN
Start	383	End	3352
GI	none	Score	.4
Exons	383..1510, 1543..1608, 1771..1938, 2006..2963, 3108..3352		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93538	Strand	+
Start	383	End	11425
Name	OJ000350_19.0313.C39.o2.np	Method	AAT/NAP
Start	1768	End	10919
GI	7489803	Score	2280
Exons	1768..3562, 9511..10919		
GI Descrip.	pol protein homolog - maize retrotransposon Opie-2 gi|3645899|gb|AAC49502.1| (U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93538	Strand	+
Start	383	End	11425
Name	OJ000350_19.0313.C39.o1.gp	Method	AAT/GAP
Start	5280	End	5712
GI	2428185	Score	676
Exons	5280..5712		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93538	Strand	+
Start	383	End	11425
Name	OJ000350_19.0313.C39.o2.gp	Method	AAT/GAP
Start	6258	End	6430
GI	LIB3433-026-P1-K1-C1	Score	254
Exons	6258..6430		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93538	Strand	+
Start	383	End	11425
Name	OJ000350_19.0313.C39.o3.gs	Method	GENSCAN
Start	7229	End	11425
GI	none	Score	.6
Exons	7229..7310, 8122..8279, 8294..8771, 9896..10298, 10700..10911, 11238..11425		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39

Gene No.	93539	Strand	-
Start	4327	End	5624
Name	OJ000350_19.0313.C39.o2.gs	Method	GENSCAN
Start	4327	End	5624
GI	none	Score	.67
Exons	4327..4527, 4577..4822, 5604..5624		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93540	Strand	-
Start	6456	End	6730
Name	OJ000350_19.0313.C39.o3.gp	Method	AAT/GAP
Start	6456	End	6730
GI	61605_1.R1084	Score	468
Exons	6456..6730		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o2.tw	Method	TBLASTX:Wheat
Start	2195	End	2752
GI	none	Score	128
Exons	2195..2425, 2465..2506, 2564..2752, 2573..2743, 2578..2751		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o3.tm	Method	TBLASTX:Maize
Start	2420	End	2908
GI	none	Score	84
Exons	2420..2485, 2425..2487, 2525..2803, 2548..2907, 2564..2908		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o3.ts	Method	TBLASTX:Soybean
Start	2594	End	3019
GI	none	Score	254
Exons	2594..2905, 2611..2898, 2927..3019		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o1.tc	Method	TBLASTX:Cress
Start	2611	End	3015
GI	none	Score	170
Exons	2611..2697, 2612..2902, 2917..3015, 2918..3013		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o1.ts	Method	TBLASTX:Soybean
Start	3353	End	9893
GI	5509260	Score	40
Exons	3353..3403, 3353..3403, 3425..3565, 3442..3564, 9514..9630, 9531..9614, 9610..9888, 9612..9893		

GI Descrip. -

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o1.tw	Method	TBLASTX:Wheat
Start	3482	End	9879
GI	none	Score	80
Exons	3482..3583, 3482..3565, 9523..9549, 9550..9615, 9558..9614, 9610..9879, 9612..9869		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o4.gp	Method	AAT/GAP
Start	7648	End	8384
GI	101153_1.R1084	Score	667
Exons	7648..7877, 8195..8384		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93541	Strand	-
Start	7648	End	10131
Name	OJ000350_19.0313.C39.o2.tm	Method	TBLASTX:Maize
Start	9693	End	10131
GI	none	Score	473
Exons	9693..9929, 9694..10131, 9697..9933, 9966..10118, 10015..10128		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93542	Strand	
Start	10069	End	10928
Name	OJ000350_19.0313.C39.o3.tw	Method	TBLASTX:Wheat
Start	10069	End	10500
GI	none	Score	103
Exons	10069..10218, 10243..10500		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93542	Strand	
Start	10069	End	10928
Name	OJ000350_19.0313.C39.o1.tm	Method	TBLASTX:Maize
Start	10246	End	10901
GI	none	Score	429
Exons	10246..10629, 10254..10622, 10622..10891, 10629..10901		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93542	Strand	
Start	10069	End	10928
Name	OJ000350_19.0313.C39.o2.ts	Method	TBLASTX:Soybean
Start	10264	End	10928
GI	none	Score	267
Exons	10264..10629, 10671..10928		

Seq. No.	44402	Seq. ID	OJ000350_19.0313.C39
Gene No.	93542	Strand	
Start	10069	End	10928
Name	OJ000350_19.0313.C39.o4.tw	Method	TBLASTX:Wheat

Start	10537	End	10856
GI	none	Score	77
Exons	10537..10623, 10665..10856, 10680..10856		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93543	Strand	+
Start	405	End	2255
Name	OJ000350_19.0313.C40.o1.np	Method	AAT/NAP
Start	405	End	2255
GI	7523502	Score	167
Exons	405..517, 785..925, 2124..2255		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o2.np	Method	AAT/NAP
Start	2017	End	4783
GI	7489805	Score	1182
Exons	2017..2057, 2786..4153, 4357..4783		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o5.tw	Method	TBLASTX:Wheat
Start	2076	End	2672
GI	none	Score	90
Exons	2076..2201, 2394..2525, 2553..2672		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o2.gs	Method	GENSCAN
Start	2097	End	6348
GI	none	Score	.67
Exons	2097..2906, 2967..3282, 3519..3664, 3770..3930, 3935..4197, 4254..5044, 5069..5664, 5773..5983, 6118..6348		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o4.tm	Method	TBLASTX:Maize
Start	2118	End	2378
GI	none	Score	88
Exons	2118..2378, 2143..2277		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o3.tm	Method	TBLASTX:Maize
Start	2385	End	2627
GI	none	Score	196
Exons	2385..2627		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40

Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o1.ts	Method	TBLASTX:Soybean
Start	2808	End	3149
GI	none	Score	89
Exons	2808..3149, 2974..3099		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o1.tm	Method	TBLASTX:Maize
Start	2868	End	3251
GI	none	Score	222
Exons	2868..3251, 2881..3228		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o1.tw	Method	TBLASTX:Wheat
Start	2991	End	3408
GI	none	Score	141
Exons	2991..3398, 2992..3207, 3177..3398, 3241..3408		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o2.tm	Method	TBLASTX:Maize
Start	3279	End	3649
GI	none	Score	197
Exons	3279..3554, 3280..3555, 3554..3649		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o2.tw	Method	TBLASTX:Wheat
Start	3409	End	3778
GI	none	Score	130
Exons	3409..3555, 3411..3548, 3422..3556, 3557..3778, 3558..3752		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o4.tw	Method	TBLASTX:Wheat
Start	3975	End	4537
GI	none	Score	81
Exons	3975..4196, 3976..4197, 4208..4399, 4409..4537		

Seq. No.	44403	Seq. ID	OJ000350_19.0313.C40
Gene No.	93544	Strand	-
Start	2097	End	6348
Name	OJ000350_19.0313.C40.o3.tw	Method	TBLASTX:Wheat
Start	5327	End	5671
GI	none	Score	52
Exons	5327..5671, 5397..5573		

Seq. No.	44404	Seq. ID	OJ000350_19.0313.C41
Gene No.	93545	Strand	+

Start	1907	End	3660
Name	OJ000350_19.0313.C41.o1.np	Method	AAT/NAP
Start	1907	End	3660
GI	6907087	Score	841
Exons	1907..2403, 2442..3017, 3559..3660		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44404	Seq. ID	OJ000350_19.0313.C41
Gene No.	93546	Strand	+
Start	4125	End	4506
Name	OJ000350_19.0313.C41.o1.gp	Method	AAT/GAP
Start	4125	End	4506
GI	uC-osflcyp033a04b1	Score	619
Exons	4125..4506		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44404	Seq. ID	OJ000350_19.0313.C41
Gene No.	93547	Strand	-
Start	4053	End	5215
Name	OJ000350_19.0313.C41.o2.np	Method	AAT/NAP
Start	4053	End	5215
GI	4680186	Score	246
Exons	4053..4283, 4410..4494, 5004..5215		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93548	Strand	+
Start	599	End	4226
Name	OJ000350_19.0313.C42.o1.gs	Method	GENSCAN
Start	599	End	4226
GI	none	Score	.76
Exons	599..701, 3247..3344, 3591..3674, 3732..4226		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93548	Strand	+
Start	599	End	4226
Name	OJ000350_19.0313.C42.o1.gp	Method	AAT/GAP
Start	3199	End	3929
GI	4969338	Score	795
Exons	3199..3344, 3538..3674, 3777..3929		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93549	Strand	+
Start	9742	End	14045
Name	OJ000350_19.0313.C42.o3.gs	Method	GENSCAN
Start	9742	End	14045
GI	none	Score	.54
Exons	9742..10014, 10062..10241, 10290..10297, 10642..10802, 13033..13172, 13269..14045		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93550	Strand	+
Start	16276	End	17271
Name	OJ000350_19.0313.C42.o1.np	Method	AAT/NAP

Start	16099	End	17271
GI	6907086	Score	1047
Exons	16099..16864, 16925..17271		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93550	Strand	+
Start	16276	End	17271
Name	OJ000350_19.0313.C42.o4.gs	Method	GENSCAN
Start	16276	End	16839
GI	none	Score	.91
Exons	16276..16839		

Seq. No.	44405	Seq. ID	OJ000350_19.0313.C42
Gene No.	93551	Strand	-
Start	8202	End	8788
Name	OJ000350_19.0313.C42.o2.gp	Method	AAT/GAP
Start	8202	End	8788
GI	4879016	Score	837
Exons	8202..8620, 8642..8788		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93552	Strand	+
Start	2429	End	2896
Name	OJ000350_19.0313.C43.o2.gs	Method	GENSCAN
Start	2429	End	2896
GI	none	Score	.71
Exons	2429..2896		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93553	Strand	+
Start	7257	End	12633
Name	OJ000350_19.0313.C43.o4.gs	Method	GENSCAN
Start	7257	End	12633
GI	none	Score	.79
Exons	7257..7376, 7424..7537, 7669..8592, 8626..9165, 9264..9401, 9481..9954, 10426..10548, 11606..11966, 12527..12633		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93553	Strand	+
Start	7257	End	12633
Name	OJ000350_19.0313.C43.o1.gp	Method	AAT/GAP
Start	12167	End	12476
GI	72524_1.R1084	Score	399
Exons	12167..12476		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93554	Strand	-
Start	383	End	632
Name	OJ000350_19.0313.C43.o1.np	Method	AAT/NAP
Start	383	End	632
GI	7248393	Score	182

Exons	383..632		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93554	Strand	-
Start	383	End	632
Name	OJ000350_19.0313.C43.o1.gs	Method	GENSCAN
Start	399	End	632
GI	none	Score	.87
Exons	399..632		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93555	Strand	-
Start	4589	End	6652
Name	OJ000350_19.0313.C43.o3.gs	Method	GENSCAN
Start	4589	End	6652
GI	none	Score	.53
Exons	4589..4611, 4725..4802, 6198..6229, 6567..6652		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o2.np	Method	AAT/NAP
Start	11018	End	18531
GI	7489805	Score	1251
Exons	11018..12027, 17820..18531		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o2.tm	Method	TBLASTX:Maize
Start	11069	End	11329
GI	none	Score	96
Exons	11069..11329, 11094..11267		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o2.tw	Method	TBLASTX:Wheat
Start	11507	End	11884
GI	none	Score	74
Exons	11507..11701, 11693..11884, 11705..11863		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o1.ts	Method	TBLASTX:Soybean
Start	11594	End	11968
GI	none	Score	93
Exons	11594..11818, 11825..11968		
Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o1.tm	Method	TBLASTX:Maize

Start	11609	End	11972
GI	none	Score	91
Exons	11609..11731, 11610..11972, 11618..11971		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o5.gs	Method	GENSCAN
Start	14271	End	14426
GI	none	Score	.91
Exons	14271..14426		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o6.gs	Method	GENSCAN
Start	15187	End	18515
GI	none	Score	.52
Exons	15187..15445, 16235..16521, 17049..17220, 17370..17430, 17808..18110, 18146..18515		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o3.gp	Method	AAT/GAP
Start	17517	End	17820
GI	72524_1.R1084	Score	410
Exons	17517..17820		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	44406	Seq. ID	OJ000350_19.0313.C43
Gene No.	93556	Strand	-
Start	11018	End	18531
Name	OJ000350_19.0313.C43.o1.tw	Method	TBLASTX:Wheat
Start	18159	End	18522
GI	none	Score	72
Exons	18159..18521, 18268..18522		

Seq. No.	44407	Seq. ID	OJ000350_19.0313.C46
Gene No.	93557	Strand	+
Start	1	End	142
Name	OJ000350_19.0313.C46.o1.np	Method	AAT/NAP
Start	1	End	142
GI	7106513	Score	124
Exons	1..142		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44407	Seq. ID	OJ000350_19.0313.C46
Gene No.	93558	Strand	-
Start	63	End	476
Name	OJ000350_19.0313.C46.o1.gs	Method	GENSCAN
Start	63	End	476
GI	none	Score	.99
Exons	63..476		

Seq. No.	44407	Seq. ID	OJ000350_19.0313.C46

Gene No.	93559	Strand	-
Start	436	End	897
Name	OJ000350_19.0313.C46.o2.np	Method	AAT/NAP
Start	436	End	897
GI	7248395	Score	413
Exons	436..897		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44408	Seq. ID	OJ000350_19.0313.C47
Gene No.	93560	Strand	+
Start	73	End	718
Name	OJ000350_19.0313.C47.o1.gs	Method	GENSCAN
Start	73	End	708
GI	none	Score	.52
Exons	73..708		

Seq. No.	44408	Seq. ID	OJ000350_19.0313.C47
Gene No.	93560	Strand	+
Start	73	End	718
Name	OJ000350_19.0313.C47.o1.np	Method	AAT/NAP
Start	97	End	718
GI	6983860	Score	473
Exons	97..718		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44408	Seq. ID	OJ000350_19.0313.C47
Gene No.	93560	Strand	+
Start	73	End	718
Name	OJ000350_19.0313.C47.o1.tw	Method	TBLASTX:Wheat
Start	295	End	654
GI	none	Score	267
Exons	295..654, 297..590		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.gp	Method	AAT/GAP
Start	1	End	311
GI	LIB3434-038-P1-K1-D12	Score	442
Exons	1..17, 69..311		
GI Descrip.	'2978452/gb|AAC24615.1| 9.0e-47 (AE001274) MCAK; L549.3 [Leishmania major]'		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	2497525	Score	372
Exons	1..371, 465..643, 782..865, 960..1037, 1159..1266		
GI Descrip.	MITOTIC CENTROMERE-ASSOCIATED KINESIN (MCAK)		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.tm	Method	TBLASTX:Maize

Start	65	End	839
GI	none	Score	344
Exons	65..385, 69..398, 465..626, 467..628, 780..839, 782..838		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.ts	Method	TBLASTX:Soybean
Start	65	End	1043
GI	none	Score	202
Exons	65..370, 68..370, 276..392, 460..621, 462..626, 464..625, 733..756, 782..874, 936..1043, 953..1039		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.gs	Method	GENSCAN
Start	69	End	2547
GI	none	Score	.91
Exons	69..371, 465..624, 784..865, 960..1037, 1159..1266, 1378..1572, 2162..2341, 2455..2547		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o1.tc	Method	TBLASTX:Cress
Start	215	End	1191
GI	none	Score	44
Exons	215..340, 325..369, 329..385, 333..368, 459..527, 464..562, 465..563, 557..628, 561..632, 782..874, 956..1042, 957..1043, 957..1043, 1114..1191, 1152..1190		

Seq. No.	44409	Seq. ID	OJ000210_10.0307.C1
Gene No.	93561	Strand	-
Start	1	End	2572
Name	OJ000210_10.0307.C1.o2.tm	Method	TBLASTX:Maize
Start	1198	End	2572
GI	none	Score	57
Exons	1198..1281, 1200..1262, 1376..1516, 1376..1489, 1432..1515, 1505..1555, 1513..1554, 2162..2236, 2276..2320, 2446..2541, 2507..2572		

Seq. No.	44410	Seq. ID	OJ000210_10.0307.C2
Gene No.	93562	Strand	+
Start	627	End	2283
Name	OJ000210_10.0307.C2.o1.gs	Method	GENSCAN
Start	627	End	2283
GI	none	Score	.68
Exons	627..787, 938..1037, 1848..1903, 2061..2283		

Seq. No.	44410	Seq. ID	OJ000210_10.0307.C2
Gene No.	93563	Strand	-
Start	3724	End	3942
Name	OJ000210_10.0307.C2.o2.gs	Method	GENSCAN
Start	3724	End	3942
GI	none	Score	.64
Exons	3724..3942		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93564	Strand	+
Start	4041	End	8052
Name	OJ000210_10.0307.C3.o1.np	Method	AAT/NAP
Start	2802	End	8052
GI	7485814	Score	239
Exons	2802..2829, 4751..4838, 5420..5487, 5911..6153, 8028..8052		
GI Descrip.	hypothetical protein F19I3.6 - Arabidopsis thaliana gi|3033379|gb|AAC12823.1| (AC004238) putative WRKY-type DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93564	Strand	+
Start	4041	End	8052
Name	OJ000210_10.0307.C3.o2.gs	Method	GENSCAN
Start	4041	End	6367
GI	none	Score	.71
Exons	4041..4091, 4703..5174, 5256..5487, 5911..6367		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93565	Strand	-
Start	118	End	2151
Name	OJ000210_10.0307.C3.o1.gs	Method	GENSCAN
Start	118	End	2151
GI	none	Score	.7
Exons	118..334, 1301..1355, 2116..2151		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o2.tc	Method	TBLASTX:Cress
Start	5419	End	6088
GI	none	Score	124
Exons	5419..5484, 5420..5488, 5893..6063, 5909..6088		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o2.ts	Method	TBLASTX:Soybean
Start	5420	End	6070
GI	none	Score	128
Exons	5420..5488, 5422..5484, 5893..6066, 5909..6070		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o1.gp	Method	AAT/GAP
Start	9143	End	9905
GI	1068_1.R1084	Score	987
Exons	9143..9499, 9619..9723, 9820..9905		
GI Descrip.	'5596472/emb|CAB51410.1| 1.0e-113 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195

Name	OJ000210_10.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	9244	End	9905
GI	none	Score	42
Exons	9244..9297, 9248..9274, 9381..9500, 9386..9499, 9616..9729, 9617..9697, 9627..9725, 9819..9905, 9820..9888		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	9392	End	9858
GI	none	Score	151
Exons	9392..9499, 9396..9497, 9616..9729, 9619..9708, 9820..9858, 9820..9858		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o4.gs	Method	GENSCAN
Start	9392	End	9929
GI	none	Score	.9
Exons	9392..9499, 9619..9723, 9820..9929		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o2.np	Method	AAT/NAP
Start	9395	End	10195
GI	6581058	Score	431
Exons	9395..9499, 9619..9723, 9820..10195		
GI Descrip.	(AF192467) Sgt1 [Oryza sativa]		

Seq. No.	44411	Seq. ID	OJ000210_10.0307.C3
Gene No.	93566	Strand	-
Start	9392	End	10195
Name	OJ000210_10.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	9398	End	9891
GI	none	Score	73
Exons	9398..9499, 9398..9499, 9399..9500, 9616..9729, 9618..9734, 9820..9891, 9820..9891		

Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93567	Strand	-
Start	1	End	3140
Name	OJ000210_10.0307.C5.o1.gp	Method	AAT/GAP
Start	1	End	3140
GI	1068_1.R1084	Score	1074
Exons	1..33, 203..377, 600..724, 812..881, 2885..3140		
GI Descrip.	'5596472/emb|CAB51410.1| 1.0e-113 (AL096882) putative protein [Arabidopsis thaliana]'		

Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93567	Strand	-
Start	1	End	3140
Name	OJ000210_10.0307.C5.o1.np	Method	AAT/NAP
Start	1	End	3056
GI	6581058	Score	727

Exons	1..24, 202..377, 600..724, 812..881, 2885..3056		
GI Descrip.	(AF192467) Sgt1 [Oryza sativa]		
Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93568	Strand	-
Start	7243	End	7407
Name	OJ000210_10.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	244	End	3146
GI	none	Score	105
Exons	244..321, 256..324, 257..379, 589..723, 600..695, 602..724, 793..882, 2886..3086, 3087..3146		
Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93568	Strand	-
Start	7243	End	7407
Name	OJ000210_10.0307.C5.o1.ts	Method	TBLASTX:Soybean
Start	601	End	3038
GI	none	Score	121
Exons	601..720, 602..721, 793..888, 2886..3038		
Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93568	Strand	-
Start	7243	End	7407
Name	OJ000210_10.0307.C5.o2.ts	Method	TBLASTX:Soybean
Start	7238	End	7407
GI	none	Score	75
Exons	7238..7327, 7246..7407		
Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93568	Strand	-
Start	7243	End	7407
Name	OJ000210_10.0307.C5.o2.tm	Method	TBLASTX:Maize
Start	7241	End	7407
GI	none	Score	83
Exons	7241..7330, 7246..7407, 7339..7404		
Seq. No.	44412	Seq. ID	OJ000210_10.0307.C5
Gene No.	93568	Strand	-
Start	7243	End	7407
Name	OJ000210_10.0307.C5.o2.np	Method	AAT/NAP
Start	7243	End	7407
GI	1170745	Score	208
Exons	7243..7407		
GI Descrip.	LATE EMBRYOGENESIS ABUNDANT PROTEIN LEA14-A gi|167326 (M88321) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum] gi|167328 (M88322) Group 4 late embryogenesis-abundant protein [Gossypium hirsutum]		
Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93569	Strand	+
Start	2358	End	4506
Name	OJ000210_10.0307.C6.o2.gs	Method	GENSCAN
Start	2358	End	4506
GI	none	Score	.71
Exons	2358..2509, 2549..2725, 2904..3018, 3113..3396, 3449..3554, 4447..4506		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93570	Strand	+
Start	9659	End	11884
Name	OJ000210_10.0307.C6.o3.np	Method	AAT/NAP
Start	9659	End	11884
GI	4895183	Score	423
Exons	9659..9685, 10574..10762, 11694..11884		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93570	Strand	+
Start	9659	End	11884
Name	OJ000210_10.0307.C6.o4.gs	Method	GENSCAN
Start	10634	End	11883
GI	none	Score	.88
Exons	10634..10848, 11095..11127, 11675..11883		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93571	Strand	-
Start	1	End	344
Name	OJ000210_10.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	301
GI	3702351	Score	173
Exons	1..301		
GI Descrip.	(AC005397) putative desiccation related protein [Arabidopsis thaliana]		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93571	Strand	-
Start	1	End	344
Name	OJ000210_10.0307.C6.o1.gs	Method	GENSCAN
Start	55	End	344
GI	none	Score	.72
Exons	55..344		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93572	Strand	-
Start	656	End	10112
Name	OJ000210_10.0307.C6.o2.tm	Method	TBLASTX:Maize
Start	48	End	251
GI	none	Score	192
Exons	48..251, 55..240, 183..251		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93572	Strand	-
Start	656	End	10112
Name	OJ000210_10.0307.C6.o2.np	Method	AAT/NAP
Start	656	End	10112
GI	5917666	Score	243
Exons	656..736, 3481..4024, 4392..4461, 5799..6166, 8990..9065, 9521..9741, 9862..10112		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93573	Strand	
Start	10460	End	11886
Name	OJ000210_10.0307.C6.o1.tm	Method	TBLASTX:Maize

Start	10460	End	11886
GI	none	Score	47
Exons	10460..10492, 10462..10500, 10488..10778, 10489..10785, 10619..10780, 10781..10849, 10784..10852, 10785..10871, 11666..11884, 11673..11885, 11673..11885, 11674..11886		

Seq. No.	44413	Seq. ID	OJ000210_10.0307.C6
Gene No.	93573	Strand	
Start	10460	End	11886
Name	OJ000210_10.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	10603	End	11809
GI	none	Score	342
Exons	10603..10851, 10622..10849, 11672..11809, 11673..11807		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93574	Strand	+
Start	2803	End	6121
Name	OJ000210_10.0307.C10.o1.np	Method	AAT/NAP
Start	2803	End	4624
GI	729774	Score	302
Exons	2803..2887, 3819..4003, 4083..4244, 4293..4624		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF30 (HEAT SHOCK TRANSCRIPTION FACTOR 30) (HSTF 30) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100265|pir||S25480 heat shock transcription factor HSF30 - Peruvian tomato gi|19490|emb|CAA47870.1| (X67601) heat stress transcription factor HSF30 [Lycopersicon peruvianum]		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93574	Strand	+
Start	2803	End	6121
Name	OJ000210_10.0307.C10.o1.gs	Method	GENSCAN
Start	3749	End	6121
GI	none	Score	.84
Exons	3749..4030, 4083..4553, 4596..4788, 5911..5934, 6030..6121		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93575	Strand	+
Start	28332	End	33817
Name	OJ000210_10.0307.C10.o7.gs	Method	GENSCAN
Start	28332	End	31896
GI	none	Score	.73
Exons	28332..28337, 29354..29453, 30479..30652, 30929..31098, 31196..31720, 31804..31896		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93575	Strand	+
Start	28332	End	33817
Name	OJ000210_10.0307.C10.o3.np	Method	AAT/NAP
Start	31043	End	33817
GI	7385051	Score	652
Exons	31043..31098, 31204..31724, 33799..33817		
GI Descrip.	(AF216385) beta-adaptin-like protein A [Arabidopsis thaliana]		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93576	Strand	-
Start	6776	End	7039
Name	OJ000210_10.0307.C10.o2.gs	Method	GENSCAN

Start	6776	End	7039
GI	none	Score	.71
Exons	6776..7039		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93577	Strand	-
Start	15895	End	18836
Name	OJ000210_10.0307.C10.o4.gs	Method	GENSCAN
Start	15895	End	18836
GI	none	Score	.87
Exons	15895..16076, 16127..16273, 16511..16599, 17740..18836		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93578	Strand	-
Start	20332	End	20776
Name	OJ000210_10.0307.C10.o5.gs	Method	GENSCAN
Start	20332	End	20776
GI	none	Score	.72
Exons	20332..20710, 20718..20776		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93579	Strand	-
Start	21952	End	27197
Name	OJ000210_10.0307.C10.o2.tm	Method	TBLASTX:Maize
Start	3796	End	4181
GI	none	Score	191
Exons	3796..4002, 3797..4003, 4082..4153, 4083..4181		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93579	Strand	-
Start	21952	End	27197
Name	OJ000210_10.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	3817	End	4502
GI	none	Score	233
Exons	3817..4026, 3821..4003, 4074..4169, 4082..4171, 4083..4178, 4323..4502		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93579	Strand	-
Start	21952	End	27197
Name	OJ000210_10.0307.C10.o1.tc	Method	TBLASTX:Cress
Start	3823	End	4502
GI	none	Score	217
Exons	3823..4026, 3824..4003, 4082..4156, 4083..4178, 4296..4502		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93579	Strand	-
Start	21952	End	27197
Name	OJ000210_10.0307.C10.o2.tw	Method	TBLASTX:Wheat
Start	3823	End	22471
GI	none	Score	201
Exons	3823..4002, 3824..4003, 4074..4157, 4082..4165, 4083..4157, 22168..22200, 22260..22334, 22445..22471		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93579	Strand	-
Start	21952	End	27197

Name	OJ000210_10.0307.C10.o6.gs	Method	GENSCAN
Start	21952	End	27197
GI	none	Score	.54
Exons	21952..22126, 22205..22595, 24839..24973, 25074..25200, 25276..25337, 26283..26521, 26729..26832, 27174..27197		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93580	Strand	
Start	31015	End	31501
Name	OJ000210_10.0307.C10.o1.tw	Method	TBLASTX:Wheat
Start	31015	End	31437
GI	none	Score	89
Exons	31015..31098, 31020..31097, 31205..31435, 31207..31437		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93580	Strand	
Start	31015	End	31501
Name	OJ000210_10.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	31038	End	31501
GI	none	Score	58
Exons	31038..31100, 31039..31098, 31203..31250, 31204..31500, 31205..31501		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93580	Strand	
Start	31015	End	31501
Name	OJ000210_10.0307.C10.o2.tc	Method	TBLASTX:Cress
Start	31078	End	31399
GI	none	Score	260
Exons	31078..31098, 31204..31398, 31205..31399		

Seq. No.	44414	Seq. ID	OJ000210_10.0307.C10
Gene No.	93580	Strand	
Start	31015	End	31501
Name	OJ000210_10.0307.C10.o2.ts	Method	TBLASTX:Soybean
Start	31204	End	31501
GI	none	Score	43
Exons	31204..31236, 31205..31237, 31222..31461, 31238..31462, 31460..31501		

Seq. No.	44415	Seq. ID	OJ000210_10.0307.C11
Gene No.	93581	Strand	+
Start	1	End	1778
Name	OJ000210_10.0307.C11.o1.np	Method	AAT/NAP
Start	1	End	1778
GI	7385051	Score	360
Exons	1..53, 819..966, 1437..1678, 1727..1778		
GI Descrip.	(AF216385) beta-adaptin-like protein A [Arabidopsis thaliana]		

Seq. No.	44415	Seq. ID	OJ000210_10.0307.C11
Gene No.	93581	Strand	+
Start	1	End	1778
Name	OJ000210_10.0307.C11.o2.ts	Method	TBLASTX:Soybean
Start	815	End	967
GI	none	Score	177
Exons	815..967, 833..964		

Seq. No.	44415	Seq. ID	OJ000210_10.0307.C11
Gene No.	93581	Strand	+
Start	1	End	1778
Name	OJ000210_10.0307.C11.o1.gs	Method	GENSCAN
Start	842	End	1635
GI	none	Score	.66
Exons	842..966, 1437..1635		

Seq. No.	44415	Seq. ID	OJ000210_10.0307.C11
Gene No.	93581	Strand	+
Start	1	End	1778
Name	OJ000210_10.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	842	End	1604
GI	none	Score	68
Exons	842..895, 842..898, 1437..1475, 1438..1476, 1470..1604, 1471..1602		

Seq. No.	44415	Seq. ID	OJ000210_10.0307.C11
Gene No.	93581	Strand	+
Start	1	End	1778
Name	OJ000210_10.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	1467	End	1651
GI	none	Score	251
Exons	1467..1646, 1468..1638, 1478..1651		

Seq. No.	44416	Seq. ID	OJ000210_10.0307.C12
Gene No.	93582	Strand	-
Start	150	End	2018
Name	OJ000210_10.0307.C12.o1.gs	Method	GENSCAN
Start	150	End	2018
GI	none	Score	.89
Exons	150..583, 1947..2018		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.np	Method	AAT/NAP
Start	1	End	830
GI	6539553	Score	1447
Exons	1..830		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o2.tw	Method	TBLASTX:Wheat
Start	1	End	117
GI	none	Score	168
Exons	1..117, 1..117		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.tm	Method	TBLASTX:Maize

Start	19	End	468
GI	none	Score	215
Exons	19..282, 63..248, 103..258, 301..468		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.ts	Method	TBLASTX:Soybean
Start	70	End	468
GI	none	Score	197
Exons	70..294, 78..248, 79..249, 295..468, 303..341		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.tc	Method	TBLASTX:Cress
Start	103	End	492
GI	none	Score	112
Exons	103..285, 298..492		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.tw	Method	TBLASTX:Wheat
Start	118	End	830
GI	none	Score	634
Exons	118..582, 126..605, 625..828, 634..828, 714..830		

Seq. No.	44417	Seq. ID	OJ000210_16.0330.C1
Gene No.	93583	Strand	+
Start	1	End	830
Name	OJ000210_16.0330.C1.o1.gs	Method	GENSCAN
Start	279	End	810
GI	none	Score	.54
Exons	279..810		

Seq. No.	44418	Seq. ID	OJ000210_16.0330.C3
Gene No.	93584	Strand	+
Start	170	End	2451
Name	OJ000210_16.0330.C3.o1.gs	Method	GENSCAN
Start	170	End	2451
GI	none	Score	.63
Exons	170..270, 1003..1097, 2210..2302, 2381..2451		

Seq. No.	44418	Seq. ID	OJ000210_16.0330.C3
Gene No.	93585	Strand	-
Start	3257	End	5433
Name	OJ000210_16.0330.C3.o2.gs	Method	GENSCAN
Start	3257	End	5433
GI	none	Score	.66
Exons	3257..3286, 4138..4260, 4533..4758, 5333..5433		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93586	Strand	+
Start	7	End	2213
Name	OJ000210_16.0330.C4.o1.gs	Method	GENSCAN
Start	7	End	2213

GI	none	Score	.85
Exons	7..115, 1693..2213		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93586	Strand	+
Start	7	End	2213
Name	OJ000210_16.0330.C4.o1.gp	Method	AAT/GAP
Start	1591	End	1923
GI	none	Score	605
Exons	1591..1923		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93586	Strand	+
Start	7	End	2213
Name	OJ000210_16.0330.C4.o1.np	Method	AAT/NAP
Start	1834	End	2210
GI	3831443	Score	192
Exons	1834..2210		
GI Descrip.	(AC005819) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93587	Strand	-
Start	1957	End	2591
Name	OJ000210_16.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	1583	End	2045
GI	none	Score	167
Exons	1583..1714, 1603..1713, 1884..2045, 1892..2044		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93587	Strand	-
Start	1957	End	2591
Name	OJ000210_16.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	1883	End	2096
GI	none	Score	208
Exons	1883..1984, 1899..2096		

Seq. No.	44419	Seq. ID	OJ000210_16.0330.C4
Gene No.	93587	Strand	-
Start	1957	End	2591
Name	OJ000210_16.0330.C4.o2.gp	Method	AAT/GAP
Start	1957	End	2591
GI	none	Score	1243
Exons	1957..2591		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93588	Strand	+
Start	1492	End	1773
Name	OJ000210_16.0330.C6.o1.gs	Method	GENSCAN
Start	1492	End	1773
GI	none	Score	.48
Exons	1492..1773		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93589	Strand	+
Start	2130	End	2315
Name	OJ000210_16.0330.C6.o1.gp	Method	AAT/GAP

Start	2130	End	2315
GI	none	Score	368
Exons	2130..2315		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93590	Strand	+
Start	9705	End	10832
Name	OJ000210_16.0330.C6.o2.np	Method	AAT/NAP
Start	9665	End	10781
GI	6692684	Score	648
Exons	9665..10781		
GI Descrip.	(AC007592) F12K11.21 [Arabidopsis thaliana]		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93590	Strand	+
Start	9705	End	10832
Name	OJ000210_16.0330.C6.o3.gs	Method	GENSCAN
Start	9705	End	10832
GI	none	Score	1
Exons	9705..10832		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93591	Strand	+
Start	20549	End	20632
Name	OJ000210_16.0330.C6.o5.np	Method	AAT/NAP
Start	20549	End	20632
GI	5852084	Score	74
Exons	20549..20632		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93592	Strand	+
Start	33311	End	33809
Name	OJ000210_16.0330.C6.o6.gp	Method	AAT/GAP
Start	33311	End	33809
GI	none	Score	941
Exons	33311..33809		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93593	Strand	-
Start	2605	End	6683
Name	OJ000210_16.0330.C6.o2.gp	Method	AAT/GAP
Start	2406	End	3714
GI	30884_1.R1084	Score	1375
Exons	2406..2830, 3427..3714		
GI Descrip.	'4539404/emb|CAB40037.1| 7.0e-69 (AL049524) putative protein [Arabidopsis thaliana]'		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93593	Strand	-
Start	2605	End	6683
Name	OJ000210_16.0330.C6.o1.np	Method	AAT/NAP
Start	2581	End	5399
GI	7486615	Score	2219
Exons	2581..2830, 3427..3891, 3982..4279, 4397..4607, 4695..5399		
GI Descrip.	hypothetical protein F7L13.20 - Arabidopsis thaliana gi|4539404|emb|CAB40037.1| (AL049524) putative protein		

[Arabidopsis thaliana] gi|7267741|emb|CAB78167.1| (AL161517) putative protein [Arabidopsis thaliana]

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93593	Strand	-
Start	2605	End	6683
Name	OJ000210_16.0330.C6.o2.gs	Method	GENSCAN
Start	2605	End	5399
GI	none	Score	.94
Exons	2605..2830, 3427..3891, 3982..4279, 4397..4607, 4695..5399		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93593	Strand	-
Start	2605	End	6683
Name	OJ000210_16.0330.C6.o3.gp	Method	AAT/GAP
Start	4826	End	6683
GI	36765_1.R1084	Score	1739
Exons	4826..5404, 6367..6683		
GI Descrip.	'4539404/emb|CAB40037.1| 7.0e-51 (AL049524) putative protein [Arabidopsis thaliana]'		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93594	Strand	-
Start	12025	End	14440
Name	OJ000210_16.0330.C6.o4.gs	Method	GENSCAN
Start	12025	End	14440
GI	none	Score	.65
Exons	12025..12111, 12329..13064, 13100..13228, 13625..13698, 14166..14258, 14315..14440		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93595	Strand	-
Start	14685	End	21364
Name	OJ000210_16.0330.C6.o5.gs	Method	GENSCAN
Start	14685	End	19477
GI	none	Score	.59
Exons	14685..14810, 14984..15836, 16296..16561, 17267..17335, 18080..18693, 18962..19355, 19469..19477		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93595	Strand	-
Start	14685	End	21364
Name	OJ000210_16.0330.C6.o4.gp	Method	AAT/GAP
Start	17666	End	18262
GI	18869_1.R1084	Score	820
Exons	17666..17984, 18080..18262		
GI Descrip.	'113240/sp|P17298|ACT2_ORYSA 3.0e-29 ACTIN 2 >gi_71636_pir__ATRZ2 actin 2 - rice >gi_20329_emb_CAA33873_ (X15864) actin [Oryza sativa]'		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93595	Strand	-
Start	14685	End	21364
Name	OJ000210_16.0330.C6.o4.np	Method	AAT/NAP
Start	17922	End	19528
GI	1703108	Score	1826
Exons	17922..17984, 18080..18693, 18962..19355, 19469..19528		

GI Descrip.	ACTIN 2/7 gi|2129525|pir||S71210 actin 2 - Arabidopsis thaliana gi|2129528|pir||S68107 actin 7 - Arabidopsis thaliana gi|1049307 (U37281) actin-2 [Arabidopsis thaliana] gi|1943863 (U27811) actin7 [Arabidopsis thaliana]		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93595	Strand	-
Start	14685	End	21364
Name	OJ000210_16.0330.C6.o5.gp	Method	AAT/GAP
Start	18520	End	21364
GI	30313_1.R1084	Score	1474
Exons	18520..18693, 18962..19355, 19469..19542, 21238..21364		
GI Descrip.	'6103623/gb|AAF03692.1|AF172094_1 1.0e-118 (AF172094) actin [Picea rubens]'		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o4.tc	Method	TBLASTX:Cress
Start	2584	End	2829
GI	none	Score	135
Exons	2584..2829, 2633..2815		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o2.tm	Method	TBLASTX:Maize
Start	2611	End	4469
GI	none	Score	154
Exons	2611..2844, 2633..2833, 3412..3669, 3420..3668, 3681..3890, 3754..3891, 3978..4139, 3978..4286, 4192..4281, 4402..4467, 4407..4469		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o4.ts	Method	TBLASTX:Soybean
Start	2728	End	3669
GI	none	Score	83
Exons	2728..2832, 2732..2845, 3420..3668, 3424..3669, 3426..3668		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o5.tw	Method	TBLASTX:Wheat
Start	2764	End	3824
GI	none	Score	66
Exons	2764..2832, 2765..2833, 3426..3701, 3429..3542, 3466..3669, 3693..3824, 3702..3806		
Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o3.tc	Method	TBLASTX:Cress
Start	3429	End	3621
GI	none	Score	125
Exons	3429..3608, 3429..3620, 3436..3621		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o2.tc	Method	TBLASTX:Cress
Start	3621	End	5354
GI	none	Score	59
Exons	3621..3701, 3622..3669, 3669..3890, 3754..3891, 3978..4016, 4047..4280, 4069..4119, 4198..4281, 4407..4607, 4407..4607, 4411..4629, 4498..4629, 4692..5129, 4693..4731, 4695..5006, 4786..5130, 5268..5354		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o2.ts	Method	TBLASTX:Soybean
Start	3678	End	5090
GI	none	Score	63
Exons	3678..3764, 3774..3821, 3978..4277, 4201..4278, 4204..4278, 4387..4464, 4395..4607, 4395..4607, 4396..4608, 4507..4632, 4692..4739, 4693..4734, 4743..4997, 4786..4998, 5022..5090		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o6.tw	Method	TBLASTX:Wheat
Start	3825	End	4281
GI	none	Score	61
Exons	3825..3890, 3826..3891, 3831..3893, 3978..4022, 4047..4280, 4198..4281		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o4.tw	Method	TBLASTX:Wheat
Start	4438	End	4874
GI	none	Score	159
Exons	4438..4608, 4440..4607, 4498..4608, 4692..4874, 4695..4847, 4786..4854		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o5.tm	Method	TBLASTX:Maize
Start	4472	End	4745
GI	none	Score	188
Exons	4472..4588, 4474..4608, 4479..4643, 4479..4607, 4692..4745, 4693..4743, 4695..4745		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o4.tm	Method	TBLASTX:Maize
Start	4746	End	5001
GI	none	Score	186
Exons	4746..4997, 4746..5000, 4783..5001		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o3.tm	Method	TBLASTX:Maize
Start	5001	End	5418
GI	none	Score	55
Exons	5001..5036, 5002..5040, 5031..5213, 5032..5190, 5190..5408, 5206..5418		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o3.ts	Method	TBLASTX:Soybean
Start	10125	End	10727
GI	none	Score	48
Exons	10125..10193, 10293..10340, 10335..10397, 10449..10727, 10457..10705		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o6.tm	Method	TBLASTX:Maize
Start	10595	End	10826
GI	none	Score	250
Exons	10595..10795, 10596..10826, 10596..10826		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	17778	End	19551
GI	none	Score	34
Exons	17778..17792, 17815..17847, 17897..17986, 17898..17987, 17899..17988, 17901..17993, 18077..18418, 18077..18694, 18081..18698, 18958..19356, 18960..19355, 18961..19356, 18984..19358, 19468..19551, 19469..19546		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	17904	End	19535
GI	none	Score	65
Exons	17904..17993, 17919..17987, 17920..18015, 18077..18412, 18077..18694, 18081..18707, 18081..18698, 18974..19045, 18975..19073, 18976..19059, 18979..19077, 19056..19355, 19063..19356, 19065..19358, 19093..19359, 19453..19527, 19469..19531, 19469..19528, 19473..19535		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o2.tw	Method	TBLASTX:Wheat
Start	17914	End	18406
GI	none	Score	64
Exons	17914..17988, 17919..17987, 17919..17993, 17920..18006, 18077..18394, 18077..18406, 18081..18404		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	17919	End	19528
GI	none	Score	58
Exons	17919..17987, 17919..17993, 17920..18015, 18077..18412, 18077..18694, 18081..18698, 18589..18699, 18642..18698, 18958..19359, 18960..19355, 18967..19356, 19468..19527, 19469..19528, 19469..19528		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o3.tw	Method	TBLASTX:Wheat
Start	18407	End	18698
GI	none	Score	348
Exons	18407..18694, 18408..18698, 18645..18695		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	18958	End	19359
GI	none	Score	478
Exons	18958..19359, 18960..19355		

Seq. No.	44420	Seq. ID	OJ000210_16.0330.C6
Gene No.	93596	Strand	-
Start	25779	End	27904
Name	OJ000210_16.0330.C6.o6.np	Method	AAT/NAP
Start	25779	End	27904
GI	7242910	Score	79
Exons	25779..25866, 25943..26005, 26073..26195, 27868..27904		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	44421	Seq. ID	OJ000210_16.0330.C7
Gene No.	93597	Strand	-
Start	1	End	2713
Name	OJ000210_16.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	2713
GI	6562264	Score	454
Exons	1..334, 1120..1307, 1945..2024, 2131..2204, 2544..2713		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	44421	Seq. ID	OJ000210_16.0330.C7
Gene No.	93597	Strand	-
Start	1	End	2713
Name	OJ000210_16.0330.C7.o1.gs	Method	GENSCAN
Start	58	End	2633
GI	none	Score	.74
Exons	58..334, 1120..1307, 1945..2024, 2131..2633		

Seq. No.	44421	Seq. ID	OJ000210_16.0330.C7
Gene No.	93597	Strand	-
Start	1	End	2713

Name	OJ000210_16.0330.C7.o1.ts	Method	TBLASTX:Soybean
Start	221	End	2180
GI	none	Score	96
Exons	221..331, 225..329, 1138..1221, 1142..1222, 1219..1308, 1219..1308, 1223..1318, 1235..1318, 1931..2026, 2130..2180		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93598	Strand	-
Start	138	End	3065
Name	OJ000210_16.0330.C8.o1.gs	Method	GENSCAN
Start	138	End	3065
GI	none	Score	.63
Exons	138..411, 889..1228, 1346..1525, 1919..2078, 2469..2701, 2766..2903, 2987..3065		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93598	Strand	-
Start	138	End	3065
Name	OJ000210_16.0330.C8.o1.np	Method	AAT/NAP
Start	154	End	3065
GI	6016874	Score	2239
Exons	154..411, 889..1228, 1346..1525, 1919..2078, 2469..2701, 2766..2903, 2987..3065		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93598	Strand	-
Start	138	End	3065
Name	OJ000210_16.0330.C8.o1.gp	Method	AAT/GAP
Start	1868	End	2376
GI	uC-osflcyp110c07b1	Score	966
Exons	1868..2376		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758
Name	OJ000210_16.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	951	End	1194
GI	none	Score	97
Exons	951..1184, 1036..1194		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758
Name	OJ000210_16.0330.C8.o4.tm	Method	TBLASTX:Maize
Start	1306	End	1658
GI	none	Score	136
Exons	1306..1647, 1377..1658		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758

Name	OJ000210_16.0330.C8.o3.tm	Method	TBLASTX:Maize
Start	1863	End	2177
GI	none	Score	102
Exons	1863..2090, 1864..2082, 2103..2177		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758
Name	OJ000210_16.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	2271	End	2717
GI	none	Score	102
Exons	2271..2309, 2304..2360, 2397..2645, 2437..2646, 2631..2717		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758
Name	OJ000210_16.0330.C8.o2.np	Method	AAT/NAP
Start	3464	End	3621
GI	6907084	Score	150
Exons	3464..3621		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44422	Seq. ID	OJ000210_16.0330.C8
Gene No.	93599	Strand	-
Start	3664	End	4758
Name	OJ000210_16.0330.C8.o2.gs	Method	GENSCAN
Start	3664	End	4758
GI	none	Score	.45
Exons	3664..3769, 4109..4169, 4578..4758		

Seq. No.	44423	Seq. ID	OJ000210_16.0330.C9
Gene No.	93600	Strand	-
Start	938	End	1295
Name	OJ000210_16.0330.C9.o1.gs	Method	GENSCAN
Start	938	End	1295
GI	none	Score	.73
Exons	938..1295		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93601	Strand	+
Start	1393	End	1860
Name	OJ000210_16.0330.C10.o1.gs	Method	GENSCAN
Start	1393	End	1860
GI	none	Score	.92
Exons	1393..1860		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93602	Strand	+
Start	6582	End	6941
Name	OJ000210_16.0330.C10.o3.gs	Method	GENSCAN
Start	6582	End	6941
GI	none	Score	1
Exons	6582..6941		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93603	Strand	+
Start	7897	End	9945

Name	OJ000210_16.0330.C10.o4.gs	Method	GENSCAN
Start	7897	End	9945
GI	none	Score	.69
Exons	7897..8068, 9230..9945		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93604	Strand	-
Start	1	End	5996
Name	OJ000210_16.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	5569
GI	7486037	Score	1001
Exons	1..24, 1803..1843, 2394..2477, 2608..2715, 2976..3070, 3406..3502, 3622..3730, 4235..4310, 4375..4439, 4577..4693, 4846..5060, 5210..5369, 5444..5569		
GI Descrip.	hypothetical protein F23E13.80 - Arabidopsis thaliana gi|2961378|emb|CAA18125.1| (AL022141) putative protein [Arabidopsis thaliana] gi|7270572|emb|CAB80290.1| (AL161589) putative protein [Arabidopsis thaliana]		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93604	Strand	-
Start	1	End	5996
Name	OJ000210_16.0330.C10.o1.gp	Method	AAT/GAP
Start	1259	End	2700
GI	18427_1.R1084	Score	744
Exons	1259..1397, 1741..1843, 2394..2477, 2608..2700		
GI Descrip.	'4406810/gb|AAD20118| 9.0e-32 (AC006201) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93604	Strand	-
Start	1	End	5996
Name	OJ000210_16.0330.C10.o2.gs	Method	GENSCAN
Start	4371	End	5996
GI	none	Score	.91
Exons	4371..4439, 4577..4693, 4846..5031, 5214..5369, 5444..5566, 5802..5996		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	1741	End	11827
GI	none	Score	70
Exons	1741..1845, 1749..1856, 2374..2478, 2375..2476, 2567..2686, 2616..2693, 2616..2711, 2970..3068, 2972..3070, 2974..3075, 3403..3495, 3411..3500, 3623..3736, 4233..4319, 4247..4342, 4393..4434, 4580..4693, 4837..4989, 4843..4992, 4847..4993, 5214..5369, 5227..5370, 5429..5509, 5522..5566, 5805..5858, 11464..11571, 11471..11572, 11729..11827		

Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	2609	End	3737
GI	none	Score	94

Exons	2609..2683, 2613..2687, 2613..2681, 2614..2682, 2624..2686, 2973..3071, 2976..3071, 2977..3075, 2978..3091, 2981..3094, 3398..3502, 3402..3503, 3403..3504, 3408..3503, 3620..3736, 3621..3737		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o1.tc	Method	TBLASTX:Cress
Start	4574	End	5861
GI	none	Score	147
Exons	4574..4693, 4843..5025, 4847..5035, 5199..5369, 5212..5370, 5358..5510, 5429..5509, 5522..5566, 5526..5561, 5802..5861		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	4623	End	5319
GI	none	Score	93
Exons	4623..4691, 4625..4693, 4837..4992, 4843..5001, 4847..5002, 5002..5031, 5003..5032, 5214..5318, 5214..5318, 5224..5319		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	5230	End	5906
GI	none	Score	186
Exons	5230..5370, 5230..5361, 5238..5369, 5418..5492, 5429..5524, 5442..5519, 5493..5567, 5507..5566, 5800..5850, 5802..5906, 5802..5903		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o5.gs	Method	GENSCAN
Start	10791	End	11558
GI	none	Score	.72
Exons	10791..10822, 11460..11558		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o2.gp	Method	AAT/GAP
Start	10849	End	11830
GI	19747_1.R1084	Score	1029
Exons	10849..11259, 11460..11558, 11770..11830		
GI Descrip.	'4406810/gb|AAD20118| 1.0e-52 (AC006201) unknown protein [Arabidopsis thaliana]'		
Seq. No.	44424	Seq. ID	OJ000210_16.0330.C10
Gene No.	93605	Strand	-
Start	10791	End	11830
Name	OJ000210_16.0330.C10.o2.np	Method	AAT/NAP
Start	11446	End	11830
GI	4406810	Score	164

Exons	11446..11558, 11770..11830		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o1.gp	Method	AAT/GAP
Start	99	End	1319
GI	19747_1.R1084	Score	517
Exons	99..173, 738..832, 982..1078, 1207..1319		
GI Descrip.	'4406810/gb|AAD20118| 1.0e-52 (AC006201) unknown protein [Arabidopsis thaliana]'		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o1.np	Method	AAT/NAP
Start	99	End	2558
GI	4406810	Score	567
Exons	99..173, 738..832, 982..1084, 1217..1315, 1530..1605, 1685..1738, 2246..2362, 2461..2558		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o1.gs	Method	GENSCAN
Start	99	End	2362
GI	none	Score	.66
Exons	99..173, 738..832, 982..1078, 1208..1319, 1534..1605, 1685..1738, 2246..2362		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o2.gp	Method	AAT/GAP
Start	1542	End	2535
GI	5056122	Score	527
Exons	1542..1605, 1685..1738, 2246..2362, 2461..2535		
GI Descrip.	2961378/emb|CAA18125| 5.0e-16 (AL022141) putative protein [Arabidopsis thaliana]		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	2225	End	2558
GI	none	Score	84
Exons	2225..2365, 2253..2363, 2440..2556, 2441..2557, 2487..2558		
Seq. No.	44425	Seq. ID	OJ000210_16.0330.C11
Gene No.	93606	Strand	-
Start	99	End	2558
Name	OJ000210_16.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	2292	End	2557
GI	none	Score	100
Exons	2292..2363, 2294..2365, 2440..2556, 2441..2557, 2462..2557		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93607	Strand	+
Start	870	End	4738
Name	OJ000210_16.0330.C12.o2.np	Method	AAT/NAP
Start	870	End	4738
GI	7487916	Score	127
Exons	870..895, 2008..2447, 4704..4738		
GI Descrip.	hypothetical protein YUP8H12R.46 - Arabidopsis thaliana gi|3152591|gb|AAC17072.1| (AC002986) Similar to hypothetical protein gb|Z97336 from A. thaliana. This gene is probably cut off. [Arabidopsis thaliana]		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93607	Strand	+
Start	870	End	4738
Name	OJ000210_16.0330.C12.o2.gs	Method	GENSCAN
Start	1773	End	3051
GI	none	Score	.58
Exons	1773..2435, 2938..3051		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93608	Strand	-
Start	1	End	1474
Name	OJ000210_16.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	1474
GI	7486037	Score	146
Exons	1..287, 1300..1474		
GI Descrip.	hypothetical protein F23E13.80 - Arabidopsis thaliana gi|2961378|emb|CAA18125.1| (AL022141) putative protein [Arabidopsis thaliana] gi|7270572|emb|CAB80290.1| (AL161589) putative protein [Arabidopsis thaliana]		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93608	Strand	-
Start	1	End	1474
Name	OJ000210_16.0330.C12.o1.gp	Method	AAT/GAP
Start	126	End	1340
GI	49997_1.R1084	Score	885
Exons	126..255, 987..1340		
GI Descrip.	'2961378/emb|CAA18125| 1.0e-29 (AL022141) putative protein [Arabidopsis thaliana]'		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93608	Strand	-
Start	1	End	1474
Name	OJ000210_16.0330.C12.o1.gs	Method	GENSCAN
Start	130	End	1187
GI	none	Score	.96
Exons	130..255, 520..628, 1045..1187		

Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	104	End	1046
GI	none	Score	188

Exons	104..181, 112..291, 128..256, 129..260, 987..1046		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o1.tc	Method	TBLASTX:Cress
Start	112	End	1046
GI	none	Score	98
Exons	112..291, 128..250, 987..1046		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o2.ts	Method	TBLASTX:Soybean
Start	112	End	1043
GI	none	Score	85
Exons	112..291, 149..235, 990..1043		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o3.gs	Method	GENSCAN
Start	4867	End	6149
GI	none	Score	.54
Exons	4867..5337, 5615..5643, 5840..6149		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	4882	End	6161
GI	none	Score	65
Exons	4882..5103, 4891..4998, 5033..5104, 5135..5185, 5143..5196, 5905..5997, 5919..6008, 6012..6161		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o3.np	Method	AAT/NAP
Start	4885	End	6248
GI	5042430	Score	379
Exons	4885..5112, 5140..5198, 5840..6248		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o2.tc	Method	TBLASTX:Cress
Start	4897	End	6095
GI	none	Score	61
Exons	4897..5103, 5006..5104, 5143..5202, 5919..5996, 6051..6095		
Seq. No.	44426	Seq. ID	OJ000210_16.0330.C12
Gene No.	93609	Strand	-
Start	4867	End	6248
Name	OJ000210_16.0330.C12.o2.tm	Method	TBLASTX:Maize
Start	4900	End	5197

GI	none	Score	49
Exons	4900..4971, 4900..4971, 4969..5100, 4990..5100, 5102..5197, 5146..5196		

Seq. No.	44427	Seq. ID	OJ000210_16.0330.C13
Gene No.	93610	Strand	+
Start	9540	End	9637
Name	OJ000210_16.0330.C13.o2.np	Method	AAT/NAP
Start	9540	End	9637
GI	5852084	Score	69
Exons	9540..9637		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44427	Seq. ID	OJ000210_16.0330.C13
Gene No.	93611	Strand	-
Start	1	End	5567
Name	OJ000210_16.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	5567
GI	119110	Score	61
Exons	1..148, 236..417, 3423..3586, 5015..5068, 5477..5567		
GI Descrip.	EBNA-1 NUCLEAR PROTEIN gi|73987|pir||QQBE31 probable nuclear antigen - human herpesvirus 4 (strain B95-8) gi|1334880|emb|CAA24816.1| (V01555) BKRF1 encodes EBNA-1 protein, latent cycle gene. [Human herpesvirus 4]		

Seq. No.	44427	Seq. ID	OJ000210_16.0330.C13
Gene No.	93612	Strand	-
Start	10234	End	11434
Name	OJ000210_16.0330.C13.o2.gs	Method	GENSCAN
Start	10234	End	11434
GI	none	Score	.7
Exons	10234..10332, 10849..11050, 11136..11434		

Seq. No.	44428	Seq. ID	OJ000210_16.0330.C14
Gene No.	93613	Strand	+
Start	1584	End	4899
Name	OJ000210_16.0330.C14.o1.gs	Method	GENSCAN
Start	1584	End	3014
GI	none	Score	.49
Exons	1584..1716, 2770..3014		

Seq. No.	44428	Seq. ID	OJ000210_16.0330.C14
Gene No.	93613	Strand	+
Start	1584	End	4899
Name	OJ000210_16.0330.C14.o1.np	Method	AAT/NAP
Start	2808	End	4899
GI	7523517	Score	322
Exons	2808..3106, 3251..3305, 4872..4899		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44428	Seq. ID	OJ000210_16.0330.C14
Gene No.	93614	Strand	-
Start	5801	End	5997
Name	OJ000210_16.0330.C14.o2.gs	Method	GENSCAN
Start	5801	End	5997
GI	none	Score	.77
Exons	5801..5997		

Seq. No.	44429	Seq. ID	OJ000210_16.0330.C15
Gene No.	93615	Strand	+
Start	1	End	719
Name	OJ000210_16.0330.C15.o1.np	Method	AAT/NAP
Start	1	End	719
GI	7446431	Score	329
Exons	1..204, 241..471, 677..719		
GI Descrip.	calcium-dependent protein kinase-related protein kinase - maize gi|1313909|dbj|BAA12692.1| (D84508) CDPK-related protein kinase [Zea mays]		

Seq. No.	44429	Seq. ID	OJ000210_16.0330.C15
Gene No.	93615	Strand	+
Start	1	End	719
Name	OJ000210_16.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	163	End	474
GI	none	Score	42
Exons	163..198, 313..474, 342..467		

Seq. No.	44429	Seq. ID	OJ000210_16.0330.C15
Gene No.	93615	Strand	+
Start	1	End	719
Name	OJ000210_16.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	163	End	474
GI	none	Score	42
Exons	163..198, 298..474, 342..470		

Seq. No.	44429	Seq. ID	OJ000210_16.0330.C15
Gene No.	93615	Strand	+
Start	1	End	719
Name	OJ000210_16.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	310	End	474
GI	none	Score	182
Exons	310..474, 351..467		

Seq. No.	44430	Seq. ID	OJ000210_16.0330.C16
Gene No.	93616	Strand	-
Start	389	End	1188
Name	OJ000210_16.0330.C16.o1.gs	Method	GENSCAN
Start	389	End	553
GI	none	Score	.71
Exons	389..553		

Seq. No.	44430	Seq. ID	OJ000210_16.0330.C16
Gene No.	93616	Strand	-
Start	389	End	1188
Name	OJ000210_16.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	420	End	556
GI	none	Score	149
Exons	420..554, 425..556, 426..554		

Seq. No.	44430	Seq. ID	OJ000210_16.0330.C16
Gene No.	93616	Strand	-
Start	389	End	1188
Name	OJ000210_16.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	420	End	568

GI	none	Score	113
Exons	420..554, 421..555, 422..568,	423..554	

Seq. No.	44430	Seq. ID	OJ000210_16.0330.C16
Gene No.	93616	Strand	-
Start	389	End	1188
Name	OJ000210_16.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	422	End	568
GI	none	Score	93
Exons	422..568, 423..554		

Seq. No.	44430	Seq. ID	OJ000210_16.0330.C16
Gene No.	93616	Strand	-
Start	389	End	1188
Name	OJ000210_16.0330.C16.o1.np	Method	AAT/NAP
Start	423	End	1188
GI	7446431	Score	160
Exons	423..553, 1166..1188		
GI Descrip.	calcium-dependent protein kinase-related protein kinase - maize gi|1313909|dbj|BAA12692.1| (D84508) CDPK-related protein kinase [Zea mays]		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o1.np	Method	AAT/NAP
Start	352	End	1668
GI	6539553	Score	2243
Exons	352..1668		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o1.tw	Method	TBLASTX:Wheat
Start	488	End	964
GI	none	Score	352
Exons	488..874, 526..873, 889..963,	891..962,	893..964

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o3.ts	Method	TBLASTX:Soybean
Start	616	End	957
GI	none	Score	79
Exons	616..825, 695..820, 844..957,	851..931	

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	820	End	1159
GI	none	Score	205
Exons	820..1158, 821..1159		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	970	End	1315
GI	none	Score	126
Exons	970..1314, 1115..1315		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o2.tw	Method	TBLASTX:Wheat
Start	1168	End	1665
GI	none	Score	48
Exons	1168..1374, 1178..1300, 1369..1665, 1393..1566		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o2.tm	Method	TBLASTX:Maize
Start	1249	End	1665
GI	none	Score	55
Exons	1249..1665, 1352..1462, 1396..1578, 1532..1660		

Seq. No.	44431	Seq. ID	OJ000210_16.0330.C17
Gene No.	93617	Strand	-
Start	352	End	1668
Name	OJ000210_16.0330.C17.o2.ts	Method	TBLASTX:Soybean
Start	1333	End	1665
GI	none	Score	109
Exons	1333..1665, 1339..1572		

Seq. No.	44432	Seq. ID	OJ000210_16.0330.C18
Gene No.	93618	Strand	-
Start	1	End	1751
Name	OJ000210_16.0330.C18.o1.np	Method	AAT/NAP
Start	1	End	985
GI	6539553	Score	1680
Exons	1..985		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44432	Seq. ID	OJ000210_16.0330.C18
Gene No.	93618	Strand	-
Start	1	End	1751
Name	OJ000210_16.0330.C18.o1.gs	Method	GENSCAN
Start	136	End	1751
GI	none	Score	.45
Exons	136..928, 943..1001, 1179..1226, 1315..1414, 1608..1751		

Seq. No.	44432	Seq. ID	OJ000210_16.0330.C18
Gene No.	93618	Strand	-
Start	1	End	1751
Name	OJ000210_16.0330.C18.o1.tm	Method	TBLASTX:Maize

Start	544	End	857
GI	none	Score	294
Exons	544..849, 546..857		

Seq. No.	44432	Seq. ID	OJ000210_16.0330.C18
Gene No.	93618	Strand	-
Start	1	End	1751
Name	OJ000210_16.0330.C18.o1.tw	Method	TBLASTX:Wheat
Start	605	End	991
GI	none	Score	218
Exons	605..868, 606..893, 607..876, 896..991, 915..980		

Seq. No.	44433	Seq. ID	OJ000210_16.0330.C19
Gene No.	93619	Strand	-
Start	140	End	508
Name	OJ000210_16.0330.C19.o1.gs	Method	GENSCAN
Start	140	End	508
GI	none	Score	.43
Exons	140..202, 398..508		

Seq. No.	44434	Seq. ID	OJ000350_18.0330.C1
Gene No.	93620	Strand	+
Start	142	End	208
Name	OJ000350_18.0330.C1.o1.gs	Method	GENSCAN
Start	142	End	208
GI	none	Score	.68
Exons	142..208		

Seq. No.	44434	Seq. ID	OJ000350_18.0330.C1
Gene No.	93621	Strand	+
Start	598	End	753
Name	OJ000350_18.0330.C1.o1.np	Method	AAT/NAP
Start	598	End	753
GI	7340920	Score	96
Exons	598..753		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44435	Seq. ID	OJ000350_18.0330.C2
Gene No.	93622	Strand	+
Start	5	End	217
Name	OJ000350_18.0330.C2.o1.gs	Method	GENSCAN
Start	5	End	217
GI	none	Score	1
Exons	5..217		

Seq. No.	44435	Seq. ID	OJ000350_18.0330.C2
Gene No.	93623	Strand	-
Start	1	End	187
Name	OJ000350_18.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	187
GI	4581143	Score	104
Exons	1..187		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44436	Seq. ID	OJ000350_18.0330.C8
Gene No.	93624	Strand	-
Start	569	End	1093

Name	OJ000350_18.0330.C8.o1.gs	Method	GENSCAN
Start	569	End	1093
GI	none	Score	.42
Exons	569..720, 752..813, 1040..1093		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93625	Strand	+
Start	3858	End	12224
Name	OJ000350_18.0330.C9.o3.np	Method	AAT/NAP
Start	3858	End	12224
GI	7228457	Score	1657
Exons	3858..3898, 5412..5638, 5932..7272, 10543..10952, 11010..11918, 12042..12224		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93625	Strand	+
Start	3858	End	12224
Name	OJ000350_18.0330.C9.o2.np	Method	AAT/NAP
Start	4238	End	6290
GI	7523517	Score	256
Exons	4238..4539, 4661..4704, 6262..6290		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93625	Strand	+
Start	3858	End	12224
Name	OJ000350_18.0330.C9.o2.gs	Method	GENSCAN
Start	4634	End	12197
GI	none	Score	.4
Exons	4634..5079, 5107..6383, 6392..7005, 7045..7343, 8076..8129, 9141..9329, 9482..9840, 10077..10167, 10617..10817, 11198..11317, 11411..12197		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93626	Strand	-
Start	9	End	5981
Name	OJ000350_18.0330.C9.o1.np	Method	AAT/NAP
Start	9	End	5981
GI	6466937	Score	2301
Exons	9..4209, 5939..5981		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93626	Strand	-
Start	9	End	5981
Name	OJ000350_18.0330.C9.o1.gs	Method	GENSCAN
Start	45	End	4021
GI	none	Score	.6
Exons	45..84, 270..729, 1224..1388, 1413..1723, 1871..2203, 2286..2572, 2757..2926, 3038..4021		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-

Start	7978	End	12125
Name	OJ000350_18.0330.C9.o3.tm	Method	TBLASTX:Maize
Start	1	End	715
GI	none	Score	55
Exons	1..42, 3..41, 106..243, 108..269, 114..278, 346..714, 377..715		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o3.tw	Method	TBLASTX:Wheat
Start	334	End	648
GI	none	Score	188
Exons	334..648, 335..646		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o6.tw	Method	TBLASTX:Wheat
Start	706	End	1097
GI	none	Score	65
Exons	706..921, 719..895, 942..1097		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	718	End	1352
GI	none	Score	125
Exons	718..909, 718..921, 719..910, 720..932, 945..1352, 955..1248		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	945	End	1316
GI	none	Score	140
Exons	945..1316, 955..1299		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	1185	End	1580
GI	none	Score	65
Exons	1185..1580, 1186..1248, 1324..1560		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o5.tm	Method	TBLASTX:Maize
Start	1353	End	1751
GI	none	Score	86
Exons	1353..1583, 1369..1581, 1603..1707, 1605..1751		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125

Name	OJ000350_18.0330.C9.o2.tm	Method	TBLASTX:Maize
Start	1756	End	12095
GI	none	Score	361
Exons	1756..2298, 1779..2306, 11754..12095		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o2.ts	Method	TBLASTX:Soybean
Start	1905	End	12125
GI	none	Score	60
Exons	1905..2327, 2131..2238, 11730..12125, 11789..12094		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	1965	End	12100
GI	none	Score	452
Exons	1965..2345, 11676..12098, 11679..12065, 11786..12100		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o4.tm	Method	TBLASTX:Maize
Start	2485	End	11555
GI	none	Score	127
Exons	2485..2751, 2485..2703, 2558..2764, 2754..3011, 2756..2956, 11348..11407, 11382..11555		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o4.tw	Method	TBLASTX:Wheat
Start	2497	End	11561
GI	none	Score	177
Exons	2497..2688, 11126..11365, 11127..11366, 11247..11411, 11281..11412, 11303..11413, 11382..11561, 11411..11560		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o6.tm	Method	TBLASTX:Maize
Start	3068	End	3664
GI	none	Score	108
Exons	3068..3160, 3245..3541, 3569..3664		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o7.tw	Method	TBLASTX:Wheat
Start	6230	End	6627
GI	none	Score	118
Exons	6230..6406, 6412..6627		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-

Start	7978	End	12125
Name	OJ000350_18.0330.C9.o1.gp	Method	AAT/GAP
Start	7978	End	8359
GI	uC-osflcyp033a04b1	Score	675
Exons	7978..8359		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44437	Seq. ID	OJ000350_18.0330.C9
Gene No.	93627	Strand	-
Start	7978	End	12125
Name	OJ000350_18.0330.C9.o5.tw	Method	TBLASTX:Wheat
Start	10543	End	10935
GI	none	Score	104
Exons	10543..10662, 10701..10925, 10702..10935		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93628	Strand	+
Start	1	End	1968
Name	OJ000350_18.0330.C10.o1.np	Method	AAT/NAP
Start	1	End	1965
GI	4680180	Score	1584
Exons	1..681, 721..1965		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93628	Strand	+
Start	1	End	1968
Name	OJ000350_18.0330.C10.o1.gs	Method	GENSCAN
Start	130	End	1968
GI	none	Score	.49
Exons	130..426, 469..1386, 1489..1968		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93629	Strand	+
Start	3374	End	5880
Name	OJ000350_18.0330.C10.o3.np	Method	AAT/NAP
Start	3374	End	5880
GI	6967119	Score	165
Exons	3374..3429, 5428..5880		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93629	Strand	+
Start	3374	End	5880
Name	OJ000350_18.0330.C10.o3.gs	Method	GENSCAN
Start	5325	End	5795
GI	none	Score	.84
Exons	5325..5795		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o3.tw	Method	TBLASTX:Wheat
Start	190	End	564
GI	none	Score	228
Exons	190..564, 309..422		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	841	End	1146
GI	none	Score	337
Exons	841..1146, 858..1145		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o2.tw	Method	TBLASTX:Wheat
Start	841	End	1224
GI	none	Score	356
Exons	841..1224, 849..1157, 1191..1223		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	1360	End	1938
GI	none	Score	332
Exons	1360..1800, 1497..1604, 1825..1938		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	1570	End	1833
GI	none	Score	189
Exons	1570..1833		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o2.gs	Method	GENSCAN
Start	2099	End	5198
GI	none	Score	.6
Exons	2099..2191, 2621..2830, 2966..3099, 3210..3355, 3492..4256, 4330..4430, 4460..4651, 4719..4843, 5036..5198		

Seq. No.	44438	Seq. ID	OJ000350_18.0330.C10
Gene No.	93630	Strand	-
Start	2099	End	5198
Name	OJ000350_18.0330.C10.o2.np	Method	AAT/NAP
Start	3491	End	5177
GI	6721561	Score	1207
Exons	3491..4256, 4330..4388, 4460..4650, 5101..5177		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-

Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.np	Method	AAT/NAP
Start	1	End	306
GI	4587525	Score	107
Exons	1..306		
GI Descrip.	(AC007060) Contains the PF|00650 CRAL/TRIO phosphatidyl-inositol-transfer protein domain. ESTs gb|T76582, gb|N06574 and gb|Z25700 come from this gene. [Arabidopsis thaliana]		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.tw	Method	TBLASTX:Wheat
Start	4	End	207
GI	none	Score	114
Exons	4..207, 5..169, 43..174		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o2.tm	Method	TBLASTX:Maize
Start	17	End	177
GI	none	Score	99
Exons	17..106, 19..171, 19..177		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.gs	Method	GENSCAN
Start	37	End	4463
GI	none	Score	.88
Exons	37..404, 1317..1566, 2000..2107, 2297..2441, 3996..4020, 4266..4463		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o2.np	Method	AAT/NAP
Start	2133	End	4634
GI	3023751	Score	314
Exons	2133..2164, 2260..2436, 3614..3746, 3843..4000, 4077..4203, 4306..4463, 4605..4634		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.ts	Method	TBLASTX:Soybean
Start	3618	End	4466
GI	none	Score	80
Exons	3618..3743, 3852..3914, 3921..3998, 3924..4001, 3925..4005, 4102..4203, 4118..4207, 4309..4461, 4309..4431, 4361..4462,		

4365..4466

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.tm	Method	TBLASTX:Maize
Start	3846	End	4489
GI	none	Score	67
Exons	3846..3899, 3921..4001, 3921..3998, 3925..4005, 4078..4107, 4114..4203, 4309..4461, 4309..4431, 4310..4462, 4310..4432, 4325..4489		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o1.tc	Method	TBLASTX:Cress
Start	3852	End	4462
GI	none	Score	68
Exons	3852..3914, 3921..4001, 3925..4005, 4078..4113, 4102..4203, 4306..4461, 4309..4431, 4361..4462		

Seq. No.	44439	Seq. ID	OJ000350_18.0330.C11
Gene No.	93631	Strand	-
Start	1	End	4634
Name	OJ000350_18.0330.C11.o2.tw	Method	TBLASTX:Wheat
Start	3921	End	4404
GI	none	Score	64
Exons	3921..4001, 3925..4005, 4078..4203, 4309..4404, 4310..4387		

Seq. No.	44440	Seq. ID	OJ000350_18.0330.C12
Gene No.	93632	Strand	+
Start	1	End	2223
Name	OJ000350_18.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	2223
GI	4522005	Score	68
Exons	1..26, 254..444, 609..691, 2167..2223		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	44440	Seq. ID	OJ000350_18.0330.C12
Gene No.	93633	Strand	-
Start	1166	End	3493
Name	OJ000350_18.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	229	End	675
GI	none	Score	197
Exons	229..459, 250..456, 562..675		

Seq. No.	44440	Seq. ID	OJ000350_18.0330.C12
Gene No.	93633	Strand	-
Start	1166	End	3493
Name	OJ000350_18.0330.C12.o1.gs	Method	GENSCAN
Start	1166	End	3493
GI	none	Score	.62
Exons	1166..1278, 1370..1444, 1605..1877, 2686..2772, 3190..3493		

Seq. No.	44440	Seq. ID	OJ000350_18.0330.C12
Gene No.	93633	Strand	-

Start	1166	End	3493
Name	OJ000350_18.0330.C12.o2.np	Method	AAT/NAP
Start	1198	End	2772
GI	2146732	Score	229
Exons	1198..1278, 1370..1444, 1605..1875, 2684..2772		
GI Descrip.	FK506-binding protein - Arabidopsis thaliana gi|1373396 (U57838) rof1 [Arabidopsis thaliana]		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93634	Strand	+
Start	2907	End	4545
Name	OJ000350_18.0330.C13.o3.gs	Method	GENSCAN
Start	2907	End	4545
GI	none	Score	.77
Exons	2907..2909, 3236..4036, 4090..4545		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93635	Strand	+
Start	8629	End	10203
Name	OJ000350_18.0330.C13.o4.gs	Method	GENSCAN
Start	8629	End	10203
GI	none	Score	1
Exons	8629..10203		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93636	Strand	+
Start	10750	End	12266
Name	OJ000350_18.0330.C13.o5.gs	Method	GENSCAN
Start	10750	End	12266
GI	none	Score	.71
Exons	10750..10914, 11718..12266		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93637	Strand	+
Start	16171	End	16366
Name	OJ000350_18.0330.C13.o6.gs	Method	GENSCAN
Start	16171	End	16366
GI	none	Score	.91
Exons	16171..16242, 16334..16366		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93638	Strand	+
Start	17125	End	17701
Name	OJ000350_18.0330.C13.o7.gs	Method	GENSCAN
Start	17125	End	17701
GI	none	Score	.87
Exons	17125..17174, 17241..17457, 17468..17701		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93639	Strand	+
Start	18159	End	23094
Name	OJ000350_18.0330.C13.o8.gs	Method	GENSCAN
Start	18159	End	23058
GI	none	Score	.68
Exons	18159..18180, 18553..18713, 18883..19076, 20751..20811, 21108..21233, 21325..21863, 22501..23058		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93639	Strand	+
Start	18159	End	23094
Name	OJ000350_18.0330.C13.o2.gp	Method	AAT/GAP
Start	20345	End	20671
GI	72524_1.R1084	Score	408
Exons	20345..20671		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93639	Strand	+
Start	18159	End	23094
Name	OJ000350_18.0330.C13.o1.np	Method	AAT/NAP
Start	20618	End	23094
GI	7106512	Score	1674
Exons	20618..20677, 20751..21412, 21444..22151, 22317..23094		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93640	Strand	-
Start	2049	End	2743
Name	OJ000350_18.0330.C13.o2.gs	Method	GENSCAN
Start	2049	End	2743
GI	none	Score	.5
Exons	2049..2119, 2485..2743		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461
Name	OJ000350_18.0330.C13.o2.ts	Method	TBLASTX:Soybean
Start	8797	End	9225
GI	none	Score	148
Exons	8797..9009, 8838..8972, 9022..9138, 9133..9225		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461
Name	OJ000350_18.0330.C13.o1.tc	Method	TBLASTX:Cress
Start	8809	End	10119
GI	none	Score	209
Exons	8809..9153, 8817..9035, 9256..9426, 9553..9693, 9610..9681, 9712..9951, 9714..9791, 9861..9950, 9964..10119, 9966..10040		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461
Name	OJ000350_18.0330.C13.o1.ts	Method	TBLASTX:Soybean
Start	9247	End	10107
GI	none	Score	96
Exons	9247..9417, 9538..9693, 9573..9692, 9712..9834, 9714..9797, 9826..9942, 9946..10107		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461

Name	OJ000350_18.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	9538	End	10182
GI	none	Score	119
Exons	9538..9693, 9712..9942, 9717..9947, 9955..10182, 9967..10137		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461
Name	OJ000350_18.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	9841	End	10122
GI	none	Score	214
Exons	9841..10122, 9846..10028		

Seq. No.	44441	Seq. ID	OJ000350_18.0330.C13
Gene No.	93641	Strand	-
Start	20353	End	20461
Name	OJ000350_18.0330.C13.o1.gp	Method	AAT/GAP
Start	20353	End	20461
GI	5816518	Score	156
Exons	20353..20461		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93642	Strand	+
Start	1	End	622
Name	OJ000350_18.0330.C14.o1.np	Method	AAT/NAP
Start	1	End	610
GI	7106512	Score	777
Exons	1..610		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93642	Strand	+
Start	1	End	622
Name	OJ000350_18.0330.C14.o1.gs	Method	GENSCAN
Start	62	End	622
GI	none	Score	1
Exons	62..622		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93643	Strand	+
Start	1300	End	3209
Name	OJ000350_18.0330.C14.o2.np	Method	AAT/NAP
Start	1226	End	3209
GI	5852179	Score	440
Exons	1226..1461, 1536..1774, 3191..3209		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93643	Strand	+
Start	1300	End	3209
Name	OJ000350_18.0330.C14.o2.gs	Method	GENSCAN
Start	1300	End	1804
GI	none	Score	.49
Exons	1300..1485, 1508..1804		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o3.np	Method	AAT/NAP
Start	78	End	3985
GI	6983860	Score	999
Exons	78..132, 2948..3985		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o1.gp	Method	AAT/GAP
Start	607	End	1332
GI	101153_1.R1084	Score	385
Exons	607..842, 1291..1332		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o3.gs	Method	GENSCAN
Start	2876	End	5332
GI	none	Score	.62
Exons	2876..3985, 5264..5332		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	3296	End	3586
GI	none	Score	42
Exons	3296..3358, 3323..3586, 3399..3563		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o1.tw	Method	TBLASTX:Wheat
Start	3467	End	3826
GI	none	Score	80
Exons	3467..3826, 3468..3608, 3476..3616, 3645..3815		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o2.gp	Method	AAT/GAP
Start	4527	End	4797
GI	61605_1.R1084	Score	436
Exons	4527..4797		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-

Start	78	End	6026
Name	OJ000350_18.0330.C14.o3.gp	Method	AAT/GAP
Start	4609	End	5210
GI	3761363	Score	851
Exons	4609..5210		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o4.np	Method	AAT/NAP
Start	5169	End	6006
GI	6063554	Score	148
Exons	5169..5342, 5978..6006		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44442	Seq. ID	OJ000350_18.0330.C14
Gene No.	93644	Strand	-
Start	78	End	6026
Name	OJ000350_18.0330.C14.o4.gp	Method	AAT/GAP
Start	5777	End	6026
GI	101153_1.R1084	Score	379
Exons	5777..6026		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93645	Strand	+
Start	1	End	10466
Name	OJ000350_18.0330.C15.o2.np	Method	AAT/NAP
Start	1	End	10466
GI	81286	Score	162
Exons	1..152, 6472..6810, 9314..9543, 10195..10466		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93645	Strand	+
Start	1	End	10466
Name	OJ000350_18.0330.C15.o1.np	Method	AAT/NAP
Start	1548	End	6490
GI	6983857	Score	433
Exons	1548..1733, 1762..2261, 2568..2759, 2823..3122, 3164..3229, 3260..3393, 6287..6490		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93645	Strand	+
Start	1	End	10466
Name	OJ000350_18.0330.C15.o1.gs	Method	GENSCAN
Start	1681	End	4251
GI	none	Score	.42
Exons	1681..2125, 2366..2745, 2810..2916, 3912..4251		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93645	Strand	+
Start	1	End	10466
Name	OJ000350_18.0330.C15.o2.gs	Method	GENSCAN
Start	4959	End	5492
GI	none	Score	.71
Exons	4959..5046, 5452..5492		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93645	Strand	+
Start	1	End	10466
Name	OJ000350_18.0330.C15.o3.gs	Method	GENSCAN
Start	6350	End	6978
GI	none	Score	.79
Exons	6350..6526, 6652..6673, 6748..6839, 6844..6978		

Seq. No.	44443	Seq. ID	OJ000350_18.0330.C15
Gene No.	93646	Strand	-
Start	12367	End	12462
Name	OJ000350_18.0330.C15.o1.gp	Method	AAT/GAP
Start	12367	End	12462
GI	4715767	Score	133
Exons	12367..12462		
GI Descrip.	6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		

Seq. No.	44444	Seq. ID	OJ000350_18.0330.C17
Gene No.	93647	Strand	+
Start	1	End	959
Name	OJ000350_18.0330.C17.o1.np	Method	AAT/NAP
Start	1	End	959
GI	6983860	Score	358
Exons	1..615, 915..959		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44444	Seq. ID	OJ000350_18.0330.C17
Gene No.	93647	Strand	+
Start	1	End	959
Name	OJ000350_18.0330.C17.o1.tw	Method	TBLASTX:Wheat
Start	54	End	274
GI	none	Score	189
Exons	54..170, 55..240, 209..274		

Seq. No.	44444	Seq. ID	OJ000350_18.0330.C17
Gene No.	93647	Strand	+
Start	1	End	959
Name	OJ000350_18.0330.C17.o1.gs	Method	GENSCAN
Start	64	End	687
GI	none	Score	.99
Exons	64..687		

Seq. No.	44445	Seq. ID	OJ000350_18.0330.C19
Gene No.	93648	Strand	+
Start	692	End	933
Name	OJ000350_18.0330.C19.o1.gs	Method	GENSCAN
Start	692	End	933

GI	none	Score	.99
Exons	692..933		

Seq. No.	44445	Seq. ID	OJ000350_18.0330.C19
Gene No.	93649	Strand	-
Start	1	End	721
Name	OJ000350_18.0330.C19.o1.gp	Method	AAT/GAP
Start	1	End	721
GI	101153_1.R1084	Score	403
Exons	1..234, 683..721		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44446	Seq. ID	OJ000350_18.0330.C20
Gene No.	93650	Strand	+
Start	1	End	419
Name	OJ000350_18.0330.C20.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6630699	Score	69
Exons	1..50, 342..419		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44446	Seq. ID	OJ000350_18.0330.C20
Gene No.	93651	Strand	+
Start	553	End	1454
Name	OJ000350_18.0330.C20.o2.np	Method	AAT/NAP
Start	553	End	1454
GI	6539570	Score	139
Exons	553..804, 1426..1454		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93652	Strand	+
Start	1462	End	1540
Name	OJ000350_18.0330.C21.o2.np	Method	AAT/NAP
Start	1462	End	1540
GI	6630699	Score	94
Exons	1462..1540		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93653	Strand	+
Start	1668	End	2813
Name	OJ000350_18.0330.C21.o3.np	Method	AAT/NAP
Start	1668	End	2531
GI	6539570	Score	129
Exons	1668..1870, 2056..2128, 2363..2531		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93653	Strand	+
Start	1668	End	2813
Name	OJ000350_18.0330.C21.o2.gs	Method	GENSCAN

Start	2013	End	2813
GI	none	Score	.74
Exons	2013..2093, 2289..2375, 2380..2467, 2644..2813		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93654	Strand	-
Start	1	End	1402
Name	OJ000350_18.0330.C21.o1.np	Method	AAT/NAP
Start	1	End	1402
GI	5922620	Score	344
Exons	1..170, 207..381, 429..534, 764..837, 1178..1313, 1352..1402		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93654	Strand	-
Start	1	End	1402
Name	OJ000350_18.0330.C21.o1.gs	Method	GENSCAN
Start	659	End	1402
GI	none	Score	.89
Exons	659..837, 1149..1173, 1247..1402		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93655	Strand	-
Start	1448	End	1883
Name	OJ000350_18.0330.C21.o1.gp	Method	AAT/GAP
Start	1448	End	1883
GI	LIB3479-006-Q6-K1-B11	Score	610
Exons	1448..1883		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44447	Seq. ID	OJ000350_18.0330.C21
Gene No.	93656	Strand	-
Start	1988	End	2203
Name	OJ000350_18.0330.C21.o2.gp	Method	AAT/GAP
Start	1988	End	2203
GI	LIB3432-049-P1-K1-A11	Score	249
Exons	1988..2203		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-52 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44448	Seq. ID	OJ000350_18.0330.C22
Gene No.	93657	Strand	+
Start	322	End	2007
Name	OJ000350_18.0330.C22.o1.gs	Method	GENSCAN
Start	322	End	2007
GI	none	Score	.65
Exons	322..387, 1849..2007		

Seq. No.	44448	Seq. ID	OJ000350_18.0330.C22
Gene No.	93658	Strand	-
Start	2726	End	6079
Name	OJ000350_18.0330.C22.o2.gs	Method	GENSCAN

Start	2726	End	6079
GI	none	Score	.61
Exons	2726..2929, 3192..3372, 3452..3645, 4409..4546, 6041..6079		

Seq. No.	44448	Seq. ID	OJ000350_18.0330.C22
Gene No.	93658	Strand	-
Start	2726	End	6079
Name	OJ000350_18.0330.C22.o1.tm	Method	TBLASTX:Maize
Start	5062	End	5564
GI	none	Score	182
Exons	5062..5361, 5098..5358, 5103..5363, 5364..5477, 5368..5421, 5432..5488, 5436..5564, 5469..5564		

Seq. No.	44449	Seq. ID	OJ000350_18.0330.C23
Gene No.	93659	Strand	-
Start	1800	End	2207
Name	OJ000350_18.0330.C23.o1.gs	Method	GENSCAN
Start	1800	End	2207
GI	none	Score	.89
Exons	1800..2009, 2151..2207		

Seq. No.	44450	Seq. ID	OJ000350_18.0330.C26
Gene No.	93660	Strand	+
Start	1	End	3605
Name	OJ000350_18.0330.C26.o1.np	Method	AAT/NAP
Start	1	End	3605
GI	7437329	Score	527
Exons	1..99, 530..626, 1780..2050, 2219..2293, 2385..2465, 2752..2946, 3054..3149, 3225..3403, 3552..3605		
GI Descrip.	probable peptidylprolyl isomerase (EC 5.2.1.8) FKBP77 - wheat gi|1915960|emb|CAA68913.1| (Y07636) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	44450	Seq. ID	OJ000350_18.0330.C26
Gene No.	93660	Strand	+
Start	1	End	3605
Name	OJ000350_18.0330.C26.o1.gs	Method	GENSCAN
Start	538	End	3418
GI	none	Score	.82
Exons	538..624, 1778..2050, 2219..2293, 2385..2465, 2752..2949, 3060..3149, 3225..3418		

Seq. No.	44451	Seq. ID	OJ000350_18.0330.C27
Gene No.	93661	Strand	+
Start	93	End	3827
Name	OJ000350_18.0330.C27.o1.gs	Method	GENSCAN
Start	93	End	3827
GI	none	Score	.61
Exons	93..236, 377..487, 785..866, 1029..1155, 1322..1463, 3519..3827		

Seq. No.	44451	Seq. ID	OJ000350_18.0330.C27
Gene No.	93662	Strand	+
Start	4314	End	4446
Name	OJ000350_18.0330.C27.o1.np	Method	AAT/NAP
Start	4314	End	4446
GI	5852093	Score	69
Exons	4314..4446		

GI Descrip. (AL117264) zwh16.1 [Oryza sativa]

Seq. No.	44451	Seq. ID	OJ000350_18.0330.C27
Gene No.	93663	Strand	-
Start	5396	End	8080
Name	OJ000350_18.0330.C27.o2.gs	Method	GENSCAN
Start	5396	End	8026
GI	none	Score	.73
Exons	5396..5710, 5803..5933, 6724..8026		

Seq. No.	44451	Seq. ID	OJ000350_18.0330.C27
Gene No.	93663	Strand	-
Start	5396	End	8080
Name	OJ000350_18.0330.C27.o1.gp	Method	AAT/GAP
Start	6587	End	6990
GI	none	Score	744
Exons	6587..6990		

Seq. No.	44451	Seq. ID	OJ000350_18.0330.C27
Gene No.	93663	Strand	-
Start	5396	End	8080
Name	OJ000350_18.0330.C27.o2.np	Method	AAT/NAP
Start	6716	End	8080
GI	6522935	Score	331
Exons	6716..7754, 7803..8080		

GI Descrip. (AL132978) putative protein [Arabidopsis thaliana]

Seq. No.	44452	Seq. ID	OJ000350_18.0330.C28
Gene No.	93664	Strand	+
Start	1791	End	2631
Name	OJ000350_18.0330.C28.o1.gs	Method	GENSCAN
Start	1791	End	2631
GI	none	Score	.78
Exons	1791..1989, 2088..2316, 2473..2631		

Seq. No.	44453	Seq. ID	OJ000350_18.0330.C29
Gene No.	93665	Strand	+
Start	498	End	575
Name	OJ000350_18.0330.C29.o1.np	Method	AAT/NAP
Start	498	End	575
GI	6630699	Score	74
Exons	498..575		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	44453	Seq. ID	OJ000350_18.0330.C29
Gene No.	93666	Strand	-
Start	721	End	892
Name	OJ000350_18.0330.C29.o2.np	Method	AAT/NAP
Start	721	End	892
GI	5922620	Score	162
Exons	721..892		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical

protein [Oryza sativa]

Seq. No.	44454	Seq. ID	OJ000350_18.0330.C31
Gene No.	93667	Strand	+
Start	1	End	509
Name	OJ000350_18.0330.C31.o1.np	Method	AAT/NAP
Start	1	End	509
GI	4680186	Score	208
Exons	1..72, 305..509		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44454	Seq. ID	OJ000350_18.0330.C31
Gene No.	93668	Strand	-
Start	65	End	438
Name	OJ000350_18.0330.C31.o1.gp	Method	AAT/GAP
Start	65	End	438
GI	uC-osflcyp033a04b1	Score	533
Exons	65..438		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93669	Strand	+
Start	5456	End	9740
Name	OJ000350_15.0322.C2.o2.gs	Method	GENSCAN
Start	5456	End	9740
GI	none	Score	.76
Exons	5456..5634, 5721..5838, 5931..6031, 6969..7010, 7089..7335, 8047..8232, 8325..8622, 9271..9740		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93669	Strand	+
Start	5456	End	9740
Name	OJ000350_15.0322.C2.o2.np	Method	AAT/NAP
Start	7069	End	8699
GI	4115379	Score	574
Exons	7069..7335, 7432..7485, 8047..8232, 8325..8699		
GI Descrip.	(AC005967) putative carbonyl reductase [Arabidopsis thaliana]		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93670	Strand	+
Start	10092	End	11047
Name	OJ000350_15.0322.C2.o3.np	Method	AAT/NAP
Start	10092	End	11047
GI	6069657	Score	175
Exons	10092..10240, 10681..10875, 11016..11047		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93671	Strand	-
Start	1	End	1910
Name	OJ000350_15.0322.C2.o1.gp	Method	AAT/GAP
Start	1	End	714
GI	76990_1.R1084	Score	1428
Exons	1..714		
GI Descrip.	'2224933 6.0e-10 (AF004216) ethylene-insensitive3 [Arabidopsis thaliana] >gi_2224935 (AF004217) ethylene-insensitive3		

[Arabidopsis thaliana]'

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93671	Strand	-
Start	1	End	1910
Name	OJ000350_15.0322.C2.o1.np	Method	AAT/NAP
Start	1	End	1838
GI	4239845	Score	1145
Exons	1..25, 500..1838		
GI Descrip.	(AB015855) transcription factor TEIL [Nicotiana tabacum]		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93671	Strand	-
Start	1	End	1910
Name	OJ000350_15.0322.C2.o1.gs	Method	GENSCAN
Start	150	End	1910
GI	none	Score	.42
Exons	150..1910		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o1.tm	Method	TBLASTX:Maize
Start	122	End	1679
GI	none	Score	49
Exons	122..181, 150..170, 222..323, 231..326, 378..461, 456..482, 471..614, 541..738, 645..740, 798..830, 850..1227, 903..1280, 1188..1274, 1332..1541, 1333..1563, 1626..1679		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o1.tc	Method	TBLASTX:Cress
Start	375	End	1679
GI	none	Score	319
Exons	375..476, 513..608, 801..839, 862..1227, 918..1280, 1332..1541, 1345..1563, 1629..1679		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o1.ts	Method	TBLASTX:Soybean
Start	513	End	1679
GI	none	Score	351
Exons	513..614, 652..681, 868..1227, 912..1280, 1332..1541, 1333..1563, 1635..1679		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o2.tc	Method	TBLASTX:Cress
Start	7051	End	7343
GI	none	Score	166
Exons	7051..7242, 7086..7211, 7240..7338, 7248..7343		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-

Start	10325	End	10982
Name	OJ000350_15.0322.C2.o3.tm	Method	TBLASTX:Maize
Start	7083	End	7338
GI	none	Score	110
Exons	7083..7157, 7087..7158, 7144..7338, 7150..7338		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o3.ts	Method	TBLASTX:Soybean
Start	7086	End	7485
GI	none	Score	241
Exons	7086..7211, 7087..7338, 7087..7263, 7254..7343, 7432..7485		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o2.ts	Method	TBLASTX:Soybean
Start	8074	End	8701
GI	none	Score	73
Exons	8074..8181, 8322..8690, 8447..8701		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o2.tm	Method	TBLASTX:Maize
Start	8181	End	8666
GI	none	Score	62
Exons	8181..8231, 8182..8232, 8318..8659, 8322..8666, 8322..8666		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o3.tc	Method	TBLASTX:Cress
Start	8451	End	8699
GI	none	Score	193
Exons	8451..8648, 8468..8647, 8634..8699		

Seq. No.	44455	Seq. ID	OJ000350_15.0322.C2
Gene No.	93672	Strand	-
Start	10325	End	10982
Name	OJ000350_15.0322.C2.o3.gs	Method	GENSCAN
Start	10325	End	10982
GI	none	Score	.57
Exons	10325..10553, 10954..10982		

Seq. No.	44456	Seq. ID	OJ000350_15.0322.C3
Gene No.	93673	Strand	-
Start	98	End	916
Name	OJ000350_15.0322.C3.o2.tm	Method	TBLASTX:Maize
Start	95	End	306
GI	none	Score	184
Exons	95..292, 96..242, 97..306		

Seq. No.	44456	Seq. ID	OJ000350_15.0322.C3
Gene No.	93673	Strand	-
Start	98	End	916

Name	OJ000350_15.0322.C3.o1.gs	Method	GENSCAN
Start	98	End	823
GI	none	Score	.79
Exons	98..304, 506..823		

Seq. No.	44456	Seq. ID	OJ000350_15.0322.C3
Gene No.	93673	Strand	-
Start	98	End	916
Name	OJ000350_15.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	614	End	916
GI	none	Score	323
Exons	614..916, 615..911		

Seq. No.	44457	Seq. ID	OJ000350_15.0322.C5
Gene No.	93674	Strand	-
Start	847	End	954
Name	OJ000350_15.0322.C5.o1.gs	Method	GENSCAN
Start	847	End	954
GI	none	Score	.52
Exons	847..954		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93675	Strand	+
Start	431	End	2776
Name	OJ000350_15.0322.C12.o1.gs	Method	GENSCAN
Start	431	End	2776
GI	none	Score	.74
Exons	431..2776		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93675	Strand	+
Start	431	End	2776
Name	OJ000350_15.0322.C12.o1.np	Method	AAT/NAP
Start	443	End	2710
GI	7435663	Score	1338
Exons	443..483, 531..2710		
GI Descrip.	subtilisin-like proteinase (EC 3.4.21.-) - tomato gi|1524115|emb|CAA64566.1| (X95270) subtilisin-like endoprotease [Lycopersicon esculentum] gi|4200334|emb|CAA76724.1| (Y17275) P69A protein [Lycopersicon esculentum]		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93676	Strand	+
Start	3987	End	9822
Name	OJ000350_15.0322.C12.o2.gs	Method	GENSCAN
Start	3987	End	9822
GI	none	Score	.45
Exons	3987..4033, 4123..4247, 6291..6334, 9634..9822		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93677	Strand	+
Start	12956	End	13537
Name	OJ000350_15.0322.C12.o1.gp	Method	AAT/GAP
Start	12956	End	13537
GI	LIB3434-035-P1-K1-A7	Score	456
Exons	12956..13225, 13512..13537		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93678	Strand	+
Start	15472	End	17036
Name	OJ000350_15.0322.C12.o4.gs	Method	GENSCAN
Start	15472	End	17036
GI	none	Score	.76
Exons	15472..16065, 16174..16245, 16893..17036		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93678	Strand	+
Start	15472	End	17036
Name	OJ000350_15.0322.C12.o2.gp	Method	AAT/GAP
Start	15504	End	15748
GI	LIB3434-021-P1-K1-G7	Score	431
Exons	15504..15748		
GI Descrip.	'4204261 1.0e-10 (AC005223) 27887 [Arabidopsis thaliana]'		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93678	Strand	+
Start	15472	End	17036
Name	OJ000350_15.0322.C12.o2.np	Method	AAT/NAP
Start	15589	End	17033
GI	7487620	Score	272
Exons	15589..16065, 16174..16245, 16956..17033		
GI Descrip.	hypothetical protein T3K9.16 - Arabidopsis thaliana gi|3402710|gb|AAD12004.1| (AC004261) putative bZIP transcription factor [Arabidopsis thaliana]		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93679	Strand	-
Start	11905	End	12417
Name	OJ000350_15.0322.C12.o3.gs	Method	GENSCAN
Start	11905	End	12417
GI	none	Score	.7
Exons	11905..12038, 12294..12417		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93680	Strand	-
Start	19173	End	21246
Name	OJ000350_15.0322.C12.o3.np	Method	AAT/NAP
Start	19173	End	21246
GI	6069646	Score	947
Exons	19173..20159, 20442..21246		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93681	Strand	-
Start	22279	End	22628
Name	OJ000350_15.0322.C12.o3.gp	Method	AAT/GAP
Start	22279	End	22628
GI	none	Score	660

Exons	22279..22628		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93682	Strand	-
Start	22975	End	23556
Name	OJ000350_15.0322.C12.o5.np	Method	AAT/NAP
Start	22921	End	23556
GI	6815070	Score	143
Exons	22921..23355, 23392..23556		
GI Descrip.	(AP001080) EST AU070319(S10788) corresponds to a region of the predicted gene.; Similar to RING-H2 finger protein RHA2b (AC006200) [Oryza sativa]		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93682	Strand	-
Start	22975	End	23556
Name	OJ000350_15.0322.C12.o6.gs	Method	GENSCAN
Start	22975	End	23520
GI	none	Score	.99
Exons	22975..23520		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o1.tm	Method	TBLASTX:Maize
Start	659	End	1522
GI	none	Score	241
Exons	659..997, 721..984, 973..1074, 1001..1051, 1063..1110, 1067..1315, 1165..1293, 1307..1522, 1330..1476		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o1.ts	Method	TBLASTX:Soybean
Start	659	End	2422
GI	none	Score	243
Exons	659..991, 712..984, 998..1051, 1067..1132, 1139..1315, 1165..1293, 1307..1570, 1613..1636, 1675..1974, 1838..1996, 2020..2163, 2021..2194, 2210..2314, 2221..2313, 2396..2422		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o2.tc	Method	TBLASTX:Cress
Start	659	End	1636
GI	none	Score	130
Exons	659..847, 857..991, 998..1099, 1067..1315, 1307..1570, 1309..1476, 1613..1636		
Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o1.tw	Method	TBLASTX:Wheat
Start	914	End	1282
GI	none	Score	142
Exons	914..1045, 916..1020, 1051..1116, 1055..1282, 1055..1216, 1165..1281		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o6.tw	Method	TBLASTX:Wheat
Start	1304	End	1522
GI	none	Score	182
Exons	1304..1522, 1318..1476		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o2.tm	Method	TBLASTX:Maize
Start	1673	End	2506
GI	none	Score	206
Exons	1673..1975, 1849..1974, 2020..2160, 2021..2194, 2210..2308, 2213..2308, 2221..2313, 2411..2506		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o1.tc	Method	TBLASTX:Cress
Start	1849	End	2506
GI	none	Score	172
Exons	1849..1971, 1850..2014, 2021..2179, 2023..2169, 2210..2311, 2221..2310, 2354..2419, 2441..2506		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o5.tw	Method	TBLASTX:Wheat
Start	1871	End	2170
GI	none	Score	57
Exons	1871..1957, 1907..1975, 2009..2170, 2029..2157		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o3.tw	Method	TBLASTX:Wheat
Start	2351	End	2695
GI	none	Score	137
Exons	2351..2533, 2395..2640, 2524..2643, 2525..2608, 2617..2688, 2621..2695		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o3.tm	Method	TBLASTX:Maize
Start	19186	End	19754
GI	none	Score	73
Exons	19186..19404, 19188..19400, 19419..19754, 19546..19686		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o4.tw	Method	TBLASTX:Wheat
Start	19299	End	19667

GI	none	Score	179
Exons	19299..19346, 19455..19667		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o7.tm	Method	TBLASTX:Maize
Start	19986	End	20208
GI	none	Score	50
Exons	19986..20207, 19987..20049, 20086..20208		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o2.tw	Method	TBLASTX:Wheat
Start	20142	End	20582
GI	none	Score	66
Exons	20142..20282, 20142..20285, 20286..20582, 20509..20580		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o5.tm	Method	TBLASTX:Maize
Start	20217	End	20830
GI	none	Score	40
Exons	20217..20789, 20221..20262, 20320..20427, 20454..20675, 20774..20830		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o4.tm	Method	TBLASTX:Maize
Start	20837	End	21254
GI	none	Score	84
Exons	20837..21067, 20864..20986, 21058..21240, 21060..21254		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o6.tm	Method	TBLASTX:Maize
Start	26094	End	26427
GI	none	Score	50
Exons	26094..26159, 26113..26163, 26170..26250, 26171..26251, 26275..26427, 26276..26401		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o7.gs	Method	GENSCAN
Start	26116	End	26433
GI	none	Score	.88
Exons	26116..26433		

Seq. No.	44458	Seq. ID	OJ000350_15.0322.C12
Gene No.	93683	Strand	-
Start	26116	End	27078
Name	OJ000350_15.0322.C12.o6.np	Method	AAT/NAP

Start	26134	End	27078
GI	7329636	Score	158
Exons	26134..26436, 27044..27078		
GI Descrip.	(AL132970) centromere protein-like [Arabidopsis thaliana]		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93684	Strand	+
Start	3273	End	8635
Name	OJ000350_15.0322.C13.o2.gs	Method	GENSCAN
Start	3273	End	8635
GI	none	Score	.67
Exons	3273..3327, 3489..3595, 3679..3910, 4178..4567, 4572..4616, 4979..5178, 5475..6327, 6654..6676, 7604..7827, 8026..8635		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93685	Strand	+
Start	10660	End	12681
Name	OJ000350_15.0322.C13.o3.gs	Method	GENSCAN
Start	10660	End	12681
GI	none	Score	.7
Exons	10660..10723, 11032..11128, 11342..11410, 12627..12681		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93686	Strand	+
Start	13437	End	14093
Name	OJ000350_15.0322.C13.o4.gs	Method	GENSCAN
Start	13437	End	14093
GI	none	Score	1
Exons	13437..14093		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93687	Strand	+
Start	14139	End	14520
Name	OJ000350_15.0322.C13.o1.gp	Method	AAT/GAP
Start	14139	End	14520
GI	2280724	Score	737
Exons	14139..14520		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93688	Strand	+
Start	16364	End	20257
Name	OJ000350_15.0322.C13.o5.gs	Method	GENSCAN
Start	16364	End	20257
GI	none	Score	.85
Exons	16364..16595, 16729..16839, 18009..19994, 20133..20257		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93689	Strand	+
Start	22220	End	23542
Name	OJ000350_15.0322.C13.o2.np	Method	AAT/NAP
Start	22220	End	23542
GI	6665538	Score	935
Exons	22220..22600, 22679..22817, 22917..23542		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93689	Strand	+

Start	22220	End	23542
Name	OJ000350_15.0322.C13.o2.gp	Method	AAT/GAP
Start	22666	End	23079
GI	LIB3434-064-P1-K1-F3	Score	470
Exons	22666..22817, 22917..23079		
GI Descrip.	'2852449/dbj|BAA24695| 2.0e-18 (D88207) protein kinase [Arabidopsis thaliana] >gi_2947061 (AC002521) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93690	Strand	-
Start	1	End	2606
Name	OJ000350_15.0322.C13.o1.np	Method	AAT/NAP
Start	1	End	2606
GI	7329636	Score	626
Exons	1..1593, 1657..1762, 2258..2408, 2466..2606		
GI Descrip.	(AL132970) centromere protein-like [Arabidopsis thaliana]		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93690	Strand	-
Start	1	End	2606
Name	OJ000350_15.0322.C13.o5.tm	Method	TBLASTX:Maize
Start	61	End	339
GI	none	Score	207
Exons	61..237, 62..226, 247..339, 250..318		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93690	Strand	-
Start	1	End	2606
Name	OJ000350_15.0322.C13.o1.gs	Method	GENSCAN
Start	459	End	2606
GI	none	Score	.63
Exons	459..1100, 1188..1379, 1542..1624, 2260..2606		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93690	Strand	-
Start	1	End	2606
Name	OJ000350_15.0322.C13.o6.tm	Method	TBLASTX:Maize
Start	1300	End	1508
GI	none	Score	148
Exons	1300..1503, 1301..1504, 1302..1505, 1413..1508		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93691	Strand	
Start	6600	End	8112
Name	OJ000350_15.0322.C13.o4.tm	Method	TBLASTX:Maize
Start	6600	End	8112
GI	none	Score	71
Exons	6600..6671, 7057..7119, 7067..7153, 7068..7181, 7164..7223, 7165..7224, 7165..7227, 7601..7822, 7601..7807, 8023..8112, 8024..8071		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93691	Strand	
Start	6600	End	8112
Name	OJ000350_15.0322.C13.o3.ts	Method	TBLASTX:Soybean
Start	7616	End	7828

GI	none	Score	199
Exons	7616..7822, 7627..7743, 7673..7828		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93692	Strand	
Start	8036	End	8455
Name	OJ000350_15.0322.C13.o4.ts	Method	TBLASTX:Soybean
Start	8036	End	8455
GI	none	Score	137
Exons	8036..8293, 8333..8455		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93693	Strand	
Start	17988	End	18793
Name	OJ000350_15.0322.C13.o2.tc	Method	TBLASTX:Cress
Start	17988	End	18621
GI	none	Score	289
Exons	17988..18407, 18002..18034, 18022..18414, 18028..18429, 18029..18430, 18412..18621, 18431..18595		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93693	Strand	
Start	17988	End	18793
Name	OJ000350_15.0322.C13.o2.ts	Method	TBLASTX:Soybean
Start	18470	End	18793
GI	none	Score	229
Exons	18470..18712, 18500..18661, 18502..18699, 18751..18792, 18752..18793		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93693	Strand	
Start	17988	End	18793
Name	OJ000350_15.0322.C13.o8.tm	Method	TBLASTX:Maize
Start	18523	End	18754
GI	none	Score	189
Exons	18523..18699, 18524..18754		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93694	Strand	
Start	18837	End	18992
Name	OJ000350_15.0322.C13.o7.tm	Method	TBLASTX:Maize
Start	18837	End	18992
GI	none	Score	198
Exons	18837..18989, 18839..18988, 18840..18992		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93695	Strand	
Start	19025	End	19310
Name	OJ000350_15.0322.C13.o3.tm	Method	TBLASTX:Maize
Start	19025	End	19310
GI	none	Score	372
Exons	19025..19309, 19027..19308, 19104..19310		
Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93696	Strand	
Start	19517	End	19931
Name	OJ000350_15.0322.C13.o2.tm	Method	TBLASTX:Maize

Start	19517	End	19931
GI	none	Score	468
Exons	19517..19906, 19524..19580, 19559..19906, 19629..19931, 19728..19931		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93697	Strand	
Start	22405	End	23455
Name	OJ000350_15.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	22405	End	23443
GI	none	Score	249
Exons	22405..22599, 22406..22600, 22682..22768, 22757..22816, 22918..23187, 22919..23443, 23108..23365, 23287..23442		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93697	Strand	
Start	22405	End	23455
Name	OJ000350_15.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	22406	End	23449
GI	none	Score	228
Exons	22406..22600, 22429..22599, 22682..22768, 22757..22816, 22918..22989, 22919..23449, 23020..23178, 23281..23436		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93697	Strand	
Start	22405	End	23455
Name	OJ000350_15.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	22406	End	23455
GI	none	Score	239
Exons	22406..22600, 22417..22599, 22679..22768, 22751..22816, 22925..23455, 22927..23184, 23281..23436		

Seq. No.	44459	Seq. ID	OJ000350_15.0322.C13
Gene No.	93697	Strand	
Start	22405	End	23455
Name	OJ000350_15.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	22931	End	23341
GI	none	Score	450
Exons	22931..23341, 22936..23184		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93698	Strand	+
Start	94	End	5177
Name	OJ000350_15.0322.C14.o1.np	Method	AAT/NAP
Start	94	End	5177
GI	6630556	Score	1512
Exons	94..288, 643..697, 831..1042, 1195..1316, 1400..1553, 1843..1912, 2001..2146, 2232..2280, 2363..2412, 2508..2652, 2939..3057, 3165..3236, 3330..3433, 3689..3745, 3855..4053, 4163..4306, 4412..4516, 5127..5177		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93698	Strand	+
Start	94	End	5177
Name	OJ000350_15.0322.C14.o1.gs	Method	GENSCAN

Start	112	End	4531
GI	none	Score	.9
Exons	112..288, 643..697, 831..1042, 1195..1316, 1400..1553, 1843..1912, 2001..2146, 2232..2304, 2360..2412, 2508..2652, 2939..3057, 3165..3236, 3330..3433, 3689..3745, 3855..4053, 4163..4306, 4412..4531		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93698	Strand	+
Start	94	End	5177
Name	OJ000350_15.0322.C14.o1.gp	Method	AAT/GAP
Start	844	End	1316
GI	3768410	Score	618
Exons	844..1042, 1195..1316		
GI Descrip.	5107819/gb|AAD40132.1|AF149413_13 8.0e-18 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93698	Strand	+
Start	94	End	5177
Name	OJ000350_15.0322.C14.o2.gp	Method	AAT/GAP
Start	2920	End	3234
GI	LIB3433-013-Q6-K1-H3	Score	308
Exons	2920..3057, 3165..3234		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 8.0e-18 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.tm	Method	TBLASTX:Maize
Start	202	End	4516
GI	none	Score	103
Exons	202..288, 210..311, 614..697, 636..698, 642..698, 643..699, 829..975, 830..976, 989..1042, 1195..1317, 1239..1316, 1419..1550, 1425..1535, 1842..1913, 1843..1914, 1999..2190, 2000..2149, 2226..2285, 2352..2426, 2361..2429, 2501..2623, 2502..2729, 2937..3050, 2938..3060, 3164..3232, 3165..3236, 3329..3439, 3330..3380, 3686..3739, 3687..3728, 3837..4016, 3838..4050, 4138..4308, 4148..4312, 4411..4503, 4412..4516		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.tc	Method	TBLASTX:Cress
Start	220	End	976
GI	none	Score	69
Exons	220..288, 636..698, 636..698, 643..699, 829..975, 830..976		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.ts	Method	TBLASTX:Soybean
Start	830	End	4507
GI	none	Score	323
Exons	830..1042, 835..990, 1194..1316, 1195..1317, 1404..1550, 1413..1544, 1502..1546, 1842..1913, 1843..1914, 1999..2142,		

2000..2149, 2030..2146, 2214..2279, 2226..2285, 2501..2623,
2502..2729, 2938..3060, 3164..3235, 3165..3236, 3323..3376,
3327..3431, 3329..3442, 3330..3380, 3686..3748, 3687..3728,
3852..3953, 3853..4056, 3990..4064, 4142..4219, 4162..4218,
4226..4309, 4234..4308, 4409..4507

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o3.tc	Method	TBLASTX:Cress
Start	2501	End	3380
GI	none	Score	181
Exons	2501..2653, 2502..2654, 2934..3041, 2938..3060, 3165..3236, 3167..3235, 3329..3361, 3330..3380		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o3.tw	Method	TBLASTX:Wheat
Start	2501	End	3060
GI	none	Score	190
Exons	2501..2623, 2502..2729, 2937..3050, 2938..3060		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o1.tw	Method	TBLASTX:Wheat
Start	3674	End	4050
GI	none	Score	55
Exons	3674..3739, 3687..3728, 3837..3950, 3838..4050, 3997..4020		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o1.ts	Method	TBLASTX:Soybean
Start	7642	End	9771
GI	none	Score	200
Exons	7642..7839, 7683..7850, 7980..8057, 7990..8058, 8183..8263, 8187..8267, 8413..8511, 8414..8512, 8414..8512, 8611..8691, 8612..8689, 8811..8867, 8811..8867, 8815..8868, 8929..9075, 8940..9041, 8950..9081, 9153..9245, 9153..9245, 9438..9560, 9658..9771, 9669..9767		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o1.tm	Method	TBLASTX:Maize
Start	7645	End	10424
GI	none	Score	37
Exons	7645..7671, 7664..7825, 7671..7826, 7678..7839, 7678..7839, 7680..7844, 7986..8075, 7990..8058, 8187..8267, 8187..8267, 8189..8269, 8404..8514, 8405..8515, 8412..8522, 8414..8518, 8606..8689, 8608..8688, 8809..8868, 8811..8876, 8812..8868, 8933..9076, 8950..9081, 8991..9065, 9146..9238, 9153..9245, 9153..9245, 9155..9250, 9438..9560, 9447..9560, 9658..9765, 9660..9761, 9668..9772, 9910..10032, 9918..10037, 9923..10027, 10205..10264, 10208..10267, 10334..10417, 10344..10424		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.gs	Method	GENSCAN
Start	7648	End	10418
GI	none	Score	.91
Exons	7648..7836, 7993..8055, 8405..8512, 8609..8689, 8950..9075, 9156..9245, 9438..9560, 9661..9771, 9921..10034, 10208..10264, 10344..10418		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.np	Method	AAT/NAP
Start	7666	End	10486
GI	7446372	Score	1236
Exons	7666..7836, 7993..8055, 8190..8261, 8405..8512, 8609..8689, 8812..8865, 8950..9075, 9156..9245, 9438..9560, 9661..9771, 9921..10034, 10208..10264, 10344..10486		
GI Descrip.	probable serine/threonine kinase (EC 2.7.1.-) SNFL2 - sorghum gi|2632254|emb|CAA73068.1| (Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o4.tc	Method	TBLASTX:Cress
Start	7675	End	8473
GI	none	Score	197
Exons	7675..7839, 7680..7841, 7980..8057, 7990..8058, 8183..8263, 8187..8267, 8413..8472, 8414..8473		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o2.tw	Method	TBLASTX:Wheat
Start	7677	End	8043
GI	none	Score	203
Exons	7677..7844, 7678..7839, 7986..8042, 7990..8043, 7990..8043		

Seq. No.	44460	Seq. ID	OJ000350_15.0322.C14
Gene No.	93699	Strand	+
Start	7648	End	10486
Name	OJ000350_15.0322.C14.o1.tc	Method	TBLASTX:Cress
Start	8474	End	9245
GI	none	Score	78
Exons	8474..8512, 8612..8689, 8784..8867, 8811..8867, 8815..8868, 8950..9078, 8991..9053, 9153..9245, 9165..9242		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93700	Strand	+
Start	14053	End	14104
Name	OJ000350_15.0322.C15.o5.gs	Method	GENSCAN
Start	14053	End	14104
GI	none	Score	.97
Exons	14053..14104		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o1.gp	Method	AAT/GAP
Start	968	End	1587
GI	uC-osroM202007h09a1	Score	885
Exons	968..1344, 1467..1587		
GI Descrip.	'537404/dbj|BAA05538| 0.0e+00 (D26537) WSI76 protein induced by water stress [Oryza sativa]'		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o1.gs	Method	GENSCAN
Start	1184	End	4167
GI	none	Score	.86
Exons	1184..1344, 1467..1649, 2106..2147, 2296..2365, 2667..2765, 2930..3022, 3097..3231, 3844..4167		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o1.np	Method	AAT/NAP
Start	1238	End	3150
GI	7487321	Score	364
Exons	1238..1344, 1467..1698, 2106..2147, 2667..2765, 2930..3022, 3097..3150		
GI Descrip.	hypothetical protein T22A6.210 - Arabidopsis thaliana gi|5051780|emb|CAB45073.1| (AL078637) putative protein [Arabidopsis thaliana] gi|7269288|emb|CAB79348.1| (AL161561) putative protein [Arabidopsis thaliana]		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o2.gp	Method	AAT/GAP
Start	1615	End	3250
GI	52574_1.R1084	Score	780
Exons	1615..1698, 2106..2147, 2667..2765, 2930..3022, 3097..3250		
GI Descrip.	'5051780/emb|CAB45073.1| 4.0e-34 (AL078637) putative protein [Arabidopsis thaliana]'		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o3.gp	Method	AAT/GAP
Start	3534	End	6105
GI	234_1.R1084	Score	1573
Exons	3534..4199, 5929..6105		
GI Descrip.	'115511/sp|P13565|CALM_HORVU 6.0e-81 CALMODULIN >gi_231682_sp_P29612_CALM_ORYSA CALMODULIN >gi_71682_pir__MCBH calmodulin - barley >gi_100666_pir__S24952 calmodulin 1 (clone lambda DASH) - rice >gi_20188_emb_CAA78287_ (Z12827) calmodulin [Oryza sativa] >gi_167008 (M27303) calmodulin [Hordeum vulgare] >gi_170072 (L01431) calmodulin [Glycine max] >gi_310315 (L18913) calmodulin [Oryza sat'		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93701	Strand	-
Start	1184	End	6105
Name	OJ000350_15.0322.C15.o2.np	Method	AAT/NAP
Start	3829	End	6004
GI	115511	Score	732
Exons	3829..4199, 5929..6004		
GI Descrip.	CALMODULIN gi|231682|sp|P29612|CALM_ORYSA CALMODULIN gi|71682|pir||MCBH calmodulin - barley gi|100666|pir||S24952 calmodulin 1 (clone lambda DASH) - rice gi|20188|emb|CAA78287.1| (Z12827) calmodulin [Oryza sativa] gi|167008|gb|AAA32938.1| (M27303) calmodulin [Hordeum vulgare] gi|170072|gb|AAA03580.1| (L01431) calmodulin [Glycine max] gi|310315|gb|AAA33901.1| (L18913		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93702	Strand	-
Start	6985	End	7879
Name	OJ000350_15.0322.C15.o3.np	Method	AAT/NAP
Start	6985	End	7879
GI	6815099	Score	109
Exons	6985..7124, 7717..7879		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93703	Strand	-
Start	8039	End	10331
Name	OJ000350_15.0322.C15.o3.gs	Method	GENSCAN
Start	8039	End	10331
GI	none	Score	.96
Exons	8039..8371, 8918..9080, 9198..9382, 10062..10331		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93703	Strand	-
Start	8039	End	10331
Name	OJ000350_15.0322.C15.o4.np	Method	AAT/NAP
Start	8051	End	10331
GI	6686782	Score	489
Exons	8051..8371, 8918..9080, 9198..9380, 10060..10138, 10214..10331		
GI Descrip.	(AJ132315) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o3.tm	Method	TBLASTX:Maize
Start	1270	End	3215
GI	none	Score	77
Exons	1270..1335, 1277..1333, 1277..1345, 2656..2790, 2659..2766, 2666..2818, 2666..2767, 2667..2768, 2930..3022, 2949..3023, 3094..3213, 3095..3214, 3096..3215		

Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o2.tm	Method	TBLASTX:Maize
Start	1468	End	2151

GI	none	Score	282
Exons	1468..1710, 1468..1707, 1469..1735, 2082..2150, 2085..2150, 2098..2151		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o2.ts	Method	TBLASTX:Soybean
Start	1468	End	3231
GI	none	Score	207
Exons	1468..1698, 1475..1699, 1481..1714, 2104..2160, 2107..2148, 2659..2766, 2667..2768, 2671..2766, 2930..3022, 2955..3023, 3094..3225, 3097..3231		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o3.tc	Method	TBLASTX:Cress
Start	1468	End	3205
GI	none	Score	112
Exons	1468..1677, 2659..2766, 2667..2768, 2930..3022, 2955..3023, 3089..3205, 3094..3201		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	3632	End	6129
GI	none	Score	41
Exons	3632..3700, 3709..3747, 3709..3792, 3781..3813, 3783..3806, 3792..3839, 3796..4200, 3808..4209, 3829..4020, 3829..4035, 3921..4208, 3947..4249, 5927..6010, 6097..6129		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o1.tc	Method	TBLASTX:Cress
Start	3760	End	6019
GI	none	Score	42
Exons	3760..4200, 3824..3853, 3826..4209, 3829..4035, 3838..4020, 3947..4249, 5927..6019		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o1.ts	Method	TBLASTX:Soybean
Start	3805	End	6004
GI	none	Score	362
Exons	3805..4200, 3826..4209, 3829..4020, 3829..4023, 3947..4249, 3984..4208, 5927..6004		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o1.tw	Method	TBLASTX:Wheat
Start	3810	End	6007
GI	none	Score	52

Exons	3810..3854, 3817..4209, 3823..4200, 3829..4020, 3829..4035, 3918..4208, 3947..4249, 5927..6007		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o2.tc	Method	TBLASTX:Cress
Start	8051	End	9388
GI	none	Score	78
Exons	8051..8137, 8129..8179, 8267..8377, 8918..9082, 8919..9062, 9195..9275, 9197..9388		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o2.tw	Method	TBLASTX:Wheat
Start	8151	End	9082
GI	none	Score	43
Exons	8151..8198, 8220..8330, 8222..8374, 8222..8377, 8916..9062, 8918..9082		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o4.tm	Method	TBLASTX:Maize
Start	8216	End	9341
GI	none	Score	125
Exons	8216..8377, 8220..8327, 8222..8374, 8918..9025, 8918..9082, 8922..9098, 9195..9275, 9197..9313, 9200..9307, 9296..9340, 9318..9341		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o3.ts	Method	TBLASTX:Soybean
Start	8931	End	9343
GI	none	Score	81
Exons	8931..9062, 8933..9082, 8945..9082, 9195..9275, 9197..9343		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o4.gp	Method	AAT/GAP
Start	12405	End	13050
GI	none	Score	1181
Exons	12405..13050		
Seq. No.	44461	Seq. ID	OJ000350_15.0322.C15
Gene No.	93704	Strand	-
Start	12641	End	13054
Name	OJ000350_15.0322.C15.o4.gs	Method	GENSCAN
Start	12641	End	13054
GI	none	Score	.98
Exons	12641..13054		
Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+

Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.gs	Method	GENSCAN
Start	63	End	2831
GI	none	Score	.67
Exons	63..152, 230..436, 490..509, 778..869, 977..1046, 1944..2054, 2446..2554, 2781..2831		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.gp	Method	AAT/GAP
Start	187	End	890
GI	none	Score	805
Exons	187..510, 747..890		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.tm	Method	TBLASTX:Maize
Start	733	End	2058
GI	none	Score	171
Exons	733..870, 734..883, 746..883, 964..1071, 975..1070, 976..1071, 1763..1870, 1768..1869, 1941..2054, 1942..2055, 1948..2058		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.np	Method	AAT/NAP
Start	740	End	2852
GI	2246380	Score	478
Exons	740..869, 980..1068, 1769..1869, 1950..2054, 2446..2554, 2781..2852		
GI Descrip.	(Z86095) peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.tc	Method	TBLASTX:Cress
Start	755	End	2831
GI	none	Score	79
Exons	755..904, 970..1071, 975..1070, 1763..1870, 1768..1869, 1957..2055, 1992..2051, 2443..2559, 2453..2554, 2781..2831		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o1.ts	Method	TBLASTX:Soybean
Start	785	End	2493
GI	none	Score	73
Exons	785..868, 972..1067, 973..1062, 1768..1869, 1769..1870, 1769..1876, 1942..2055, 1989..2054, 2446..2493		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o2.gp	Method	AAT/GAP

Start	1933	End	2852
GI	15510_1.R1084	Score	460
Exons	1933..2054, 2446..2554, 2781..2852		
GI Descrip.	'2246380/emb|CAB06699.1| 3.0e-33 (Z86095) peptidyl-prolyl cis-trans isomerase [Arabidopsis thaliana]'		

Seq. No.	44462	Seq. ID	OJ000350_15.0322.C16
Gene No.	93705	Strand	+
Start	63	End	2852
Name	OJ000350_15.0322.C16.o2.tm	Method	TBLASTX:Maize
Start	2446	End	2852
GI	none	Score	180
Exons	2446..2553, 2447..2554, 2447..2554, 2780..2830, 2781..2831, 2781..2852, 2782..2832		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93706	Strand	+
Start	1	End	170
Name	OJ000350_15.0322.C17.o1.gp	Method	AAT/GAP
Start	1	End	170
GI	3760917	Score	292
Exons	1..170		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93707	Strand	+
Start	654	End	4331
Name	OJ000350_15.0322.C17.o1.gs	Method	GENSCAN
Start	654	End	4250
GI	none	Score	.58
Exons	654..804, 2031..2104, 2510..2593, 3000..3077, 3173..3224, 3361..3632, 3731..3830, 4117..4250		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93707	Strand	+
Start	654	End	4331
Name	OJ000350_15.0322.C17.o2.gp	Method	AAT/GAP
Start	998	End	1989
GI	none	Score	787
Exons	998..1299, 1601..1694, 1920..1989		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93707	Strand	+
Start	654	End	4331
Name	OJ000350_15.0322.C17.o1.np	Method	AAT/NAP
Start	2039	End	4260
GI	122772	Score	1062
Exons	2039..2088, 2500..2593, 2680..2739, 3000..3077, 3173..3224, 3361..3632, 3731..3976, 4117..4260		
GI Descrip.	TRANSCRIPTION FACTOR HBP-1B gi|100809|pir||S15347 transcription factor HBP-1b - wheat gi|21635|emb|CAA40102| (X56782) HBP-1b [Triticum aestivum]		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93707	Strand	+
Start	654	End	4331
Name	OJ000350_15.0322.C17.o3.gp	Method	AAT/GAP
Start	3150	End	4331

GI	15176_1.R1084	Score	1379
Exons	3150..3224, 3361..3632, 3731..3978, 4120..4331		
GI Descrip.	'100099/pir||JC1230 5.0e-70 DNA-binding protein VBP1 - fava bean >gi_1372966 (M81827) CREB-like protein [Vicia faba]'		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93708	Strand	+
Start	4449	End	4566
Name	OJ000350_15.0322.C17.o4.gp	Method	AAT/GAP
Start	4449	End	4566
GI	LIB3433-045-P1-K1-C4	Score	200
Exons	4449..4566		
GI Descrip.	'537404/dbj|BAA05538| 0.0e+00 (D26537) WSI76 protein induced by water stress [Oryza sativa]'		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93709	Strand	+
Start	5183	End	7889
Name	OJ000350_15.0322.C17.o2.gs	Method	GENSCAN
Start	5183	End	7889
GI	none	Score	.71
Exons	5183..5269, 7073..7255, 7761..7889		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93710	Strand	+
Start	13834	End	14799
Name	OJ000350_15.0322.C17.o5.gs	Method	GENSCAN
Start	13834	End	14799
GI	none	Score	.49
Exons	13834..14799		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93710	Strand	+
Start	13834	End	14799
Name	OJ000350_15.0322.C17.o4.np	Method	AAT/NAP
Start	13858	End	14790
GI	7485974	Score	1160
Exons	13858..14790		
GI Descrip.	hypothetical protein F22K18.70 - Arabidopsis thaliana gi|4220517|emb|CAA22990.1| (AL035356) hypothetical protein [Arabidopsis thaliana] gi|7269324|emb|CAB79383.1| (AL161562) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o2.tm	Method	TBLASTX:Maize
Start	1978	End	4360
GI	none	Score	70
Exons	1978..2025, 1979..2023, 2023..2097, 2027..2107, 2523..2591, 2527..2592, 2674..2751, 2674..2739, 2676..2750, 2997..3026, 2998..3078, 2998..3078, 2999..3085, 3131..3238, 3147..3224, 3169..3225, 3359..3634, 3360..3635, 3728..3979, 3729..3977, 3850..3987, 4097..4267, 4114..4212, 4114..4323, 4116..4268, 4325..4360, 4331..4357		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17

Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o1.tc	Method	TBLASTX:Cress
Start	2674	End	4262
GI	none	Score	98
Exons	2674..2751, 2674..2739, 2997..3026, 2998..3078, 2999..3085, 3131..3238, 3169..3231, 3171..3245, 3359..3640, 3360..3644, 3728..3979, 3730..3789, 3762..3983, 3850..3990, 3900..3983, 4114..4212, 4114..4248, 4130..4249, 4197..4262		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o1.tw	Method	TBLASTX:Wheat
Start	2692	End	3626
GI	none	Score	69
Exons	2692..2751, 2692..2736, 2693..2740, 2998..3075, 2999..3076, 3131..3238, 3169..3225, 3359..3610, 3360..3611, 3368..3616, 3372..3626		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o2.ts	Method	TBLASTX:Soybean
Start	2998	End	4262
GI	none	Score	50
Exons	2998..3048, 3001..3036, 3163..3225, 3169..3225, 3170..3238, 3359..3634, 3360..3635, 3728..3871, 3741..3872, 3743..3850, 3871..3942, 3871..3987, 3885..3977, 3902..3979, 4109..4261, 4114..4260, 4197..4262		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o5.gp	Method	AAT/GAP
Start	7860	End	9305
GI	454879	Score	2644
Exons	7860..8375, 8474..9305		
GI Descrip.	537404/dbj|BAA05538| 0.0e+00 (D26537) WSI76 protein induced by water stress [Oryza sativa]		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o3.gs	Method	GENSCAN
Start	8163	End	9593
GI	none	Score	.81
Exons	8163..8375, 8474..9279, 9404..9593		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o2.np	Method	AAT/NAP
Start	8166	End	9247
GI	7489601	Score	1746
Exons	8166..8375, 8474..9247		
GI Descrip.	WSI76 protein - rice gi|537404|dbj|BAA05538.1| (D26537) WSI76		

protein induced by water stress [Oryza sativa]

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o1.ts	Method	TBLASTX:Soybean
Start	8167	End	9187
GI	none	Score	41
Exons	8167..8217, 8214..8375, 8307..8372, 8474..8728, 8479..8607, 8505..8708, 8717..9187, 8745..9185		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o4.tc	Method	TBLASTX:Cress
Start	8187	End	8897
GI	none	Score	110
Exons	8187..8231, 8259..8375, 8290..8385, 8396..8497, 8549..8575, 8582..8728, 8589..8708, 8729..8896, 8745..8897		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o1.tm	Method	TBLASTX:Maize
Start	8262	End	9188
GI	none	Score	50
Exons	8262..8375, 8290..8385, 8307..8369, 8350..8385, 8396..9187, 8505..9188		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o3.np	Method	AAT/NAP
Start	8893	End	13139
GI	5852180	Score	128
Exons	8893..8995, 12222..12465, 13055..13139		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o2.tc	Method	TBLASTX:Cress
Start	8906	End	9187
GI	none	Score	146
Exons	8906..9187, 8912..9178, 8922..9185		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139
Name	OJ000350_15.0322.C17.o2.tw	Method	TBLASTX:Wheat
Start	8978	End	9187
GI	none	Score	180
Exons	8978..9178, 8978..9187		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93711	Strand	-
Start	7860	End	13139

Name	OJ000350_15.0322.C17.o4.gs	Method	GENSCAN
Start	12585	End	13139
GI	none	Score	.92
Exons	12585..12808, 12848..13139		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93712	Strand	
Start	13843	End	14355
Name	OJ000350_15.0322.C17.o3.tc	Method	TBLASTX:Cress
Start	13843	End	14178
GI	none	Score	430
Exons	13843..14178, 13872..14177		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93712	Strand	
Start	13843	End	14355
Name	OJ000350_15.0322.C17.o3.ts	Method	TBLASTX:Soybean
Start	13867	End	14010
GI	none	Score	210
Exons	13867..14010, 13878..14009		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93712	Strand	
Start	13843	End	14355
Name	OJ000350_15.0322.C17.o3.tm	Method	TBLASTX:Maize
Start	14046	End	14355
GI	none	Score	246
Exons	14046..14183, 14047..14178, 14149..14355, 14182..14355		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93713	Strand	
Start	14472	End	14807
Name	OJ000350_15.0322.C17.o5.tc	Method	TBLASTX:Cress
Start	14472	End	14781
GI	none	Score	149
Exons	14472..14780, 14473..14616, 14668..14781		

Seq. No.	44463	Seq. ID	OJ000350_15.0322.C17
Gene No.	93713	Strand	
Start	14472	End	14807
Name	OJ000350_15.0322.C17.o4.tm	Method	TBLASTX:Maize
Start	14509	End	14807
GI	none	Score	337
Exons	14509..14790, 14511..14807, 14720..14797		

Seq. No.	44464	Seq. ID	OJ000350_12.0323.C1
Gene No.	93714	Strand	-
Start	265	End	427
Name	OJ000350_12.0323.C1.o1.gs	Method	GENSCAN
Start	265	End	427
GI	none	Score	.75
Exons	265..427		

Seq. No.	44465	Seq. ID	OJ000350_12.0323.C3
Gene No.	93715	Strand	+
Start	4169	End	5804
Name	OJ000350_12.0323.C3.o1.np	Method	AAT/NAP

Start	4169	End	5804
GI	7340909	Score	144
Exons	4169..4203, 5467..5804		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44465	Seq. ID	OJ000350_12.0323.C3
Gene No.	93716	Strand	-
Start	69	End	315
Name	OJ000350_12.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	1	End	315
GI	none	Score	132
Exons	1..72, 3..77, 3..71, 77..178, 194..295, 195..293, 199..315	81..176,	123..182, 143..214,

Seq. No.	44465	Seq. ID	OJ000350_12.0323.C3
Gene No.	93716	Strand	-
Start	69	End	315
Name	OJ000350_12.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	237
GI	none	Score	137
Exons	1..75, 1..81, 2..82, 71..136, 142..183, 194..235, 194..235,	77..178, 195..236,	81..176, 123..182, 196..237

Seq. No.	44465'	Seq. ID	OJ000350_12.0323.C3
Gene No.	93716	Strand	-
Start	69	End	315
Name	OJ000350_12.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	3	End	315
GI	none	Score	115
Exons	3..68, 4..72, 4..72, 71..178, 143..214, 194..295, 195..293,	81..131, 199..315	84..176, 123..182,

Seq. No.	44465	Seq. ID	OJ000350_12.0323.C3
Gene No.	93716	Strand	-
Start	69	End	315
Name	OJ000350_12.0323.C3.o1.gp	Method	AAT/GAP
Start	69	End	294
GI	1629_2.R1084	Score	363
Exons	69..294		
GI Descrip.	'1245217/gb|U49840|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	44466	Seq. ID	OJ000350_12.0323.C4
Gene No.	93717	Strand	+
Start	96	End	289
Name	OJ000350_12.0323.C4.o1.gs	Method	GENSCAN
Start	96	End	289
GI	none	Score	.76
Exons	96..289		

Seq. No.	44466	Seq. ID	OJ000350_12.0323.C4
Gene No.	93718	Strand	-
Start	1	End	526
Name	OJ000350_12.0323.C4.o1.np	Method	AAT/NAP
Start	1	End	526
GI	7340909	Score	128

Exons	1..129, 274..526		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	44466	Seq. ID	OJ000350_12.0323.C4
Gene No.	93719	Strand	-
Start	1193	End	1391
Name	OJ000350_12.0323.C4.o1.gp	Method	AAT/GAP
Start	432	End	536
GI	LIB3432-008-P1-K1-F11	Score	123
Exons	432..536		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	44466	Seq. ID	OJ000350_12.0323.C4
Gene No.	93719	Strand	-
Start	1193	End	1391
Name	OJ000350_12.0323.C4.o2.gs	Method	GENSCAN
Start	1193	End	1391
GI	none	Score	.54
Exons	1193..1391		
Seq. No.	44467	Seq. ID	OJ000350_12.0323.C5
Gene No.	93720	Strand	+
Start	1	End	5247
Name	OJ000350_12.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	2171
GI	7340909	Score	139
Exons	1..233, 1599..1673, 1917..2171		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	44467	Seq. ID	OJ000350_12.0323.C5
Gene No.	93720	Strand	+
Start	1	End	5247
Name	OJ000350_12.0323.C5.o1.gs	Method	GENSCAN
Start	254	End	5247
GI	none	Score	.62
Exons	254..410, 1028..1182, 1388..1597, 1637..1812, 1921..2025, 2052..2141, 3112..3204, 3833..3962, 5069..5247		
Seq. No.	44467	Seq. ID	OJ000350_12.0323.C5
Gene No.	93720	Strand	+
Start	1	End	5247
Name	OJ000350_12.0323.C5.o1.gp	Method	AAT/GAP
Start	2336	End	2933
GI	4879016	Score	810
Exons	2336..2570, 2599..2933		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		
Seq. No.	44467	Seq. ID	OJ000350_12.0323.C5
Gene No.	93721	Strand	-
Start	3596	End	6573
Name	OJ000350_12.0323.C5.o2.np	Method	AAT/NAP
Start	3596	End	6573
GI	4680183	Score	50
Exons	3596..3754, 6541..6573		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93722	Strand	+
Start	1	End	15001
Name	OJ000350_12.0323.C6.o6.np	Method	AAT/NAP
Start	1	End	15001
GI	4006833	Score	178
Exons	1..47, 5892..6370, 14966..15001		
GI Descrip.	(AC005970) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93722	Strand	+
Start	1	End	15001
Name	OJ000350_12.0323.C6.o1.gs	Method	GENSCAN
Start	768	End	3118
GI	none	Score	.59
Exons	768..973, 1421..1521, 1534..1627, 2076..2300, 3036..3118		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93722	Strand	+
Start	1	End	15001
Name	OJ000350_12.0323.C6.o2.np	Method	AAT/NAP
Start	4738	End	4815
GI	6630699	Score	91
Exons	4738..4815		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93722	Strand	+
Start	1	End	15001
Name	OJ000350_12.0323.C6.o3.np	Method	AAT/NAP
Start	4943	End	5384
GI	6539570	Score	192
Exons	4943..5145, 5318..5384		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93722	Strand	+
Start	1	End	15001
Name	OJ000350_12.0323.C6.o3.gs	Method	GENSCAN
Start	9048	End	10217
GI	none	Score	.73
Exons	9048..9146, 9259..9379, 10150..10217		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93723	Strand	+
Start	16499	End	17532
Name	OJ000350_12.0323.C6.o5.gs	Method	GENSCAN
Start	16499	End	17532
GI	none	Score	.43
Exons	16499..16514, 16783..16881, 17211..17532		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6

Gene No.	93724	Strand	-
Start	1713	End	8622
Name	OJ000350_12.0323.C6.o1.np	Method	AAT/NAP
Start	1713	End	4676
GI	5922620	Score	529
Exons	1713..1845, 3273..3354, 3462..3638, 3696..3789, 4017..4118, 4417..4441, 4487..4597, 4638..4676		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93724	Strand	-
Start	1713	End	8622
Name	OJ000350_12.0323.C6.o2.gs	Method	GENSCAN
Start	3498	End	8622
GI	none	Score	.65
Exons	3498..3719, 3939..4088, 4417..4441, 4487..4700, 4726..4792, 4961..5065, 5100..5264, 7961..8114, 8492..8622		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93724	Strand	-
Start	1713	End	8622
Name	OJ000350_12.0323.C6.o1.gp	Method	AAT/GAP
Start	4735	End	5158
GI	LIB3479-006-Q6-K1-B11	Score	666
Exons	4735..5158		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93724	Strand	-
Start	1713	End	8622
Name	OJ000350_12.0323.C6.o5.np	Method	AAT/NAP
Start	5704	End	5838
GI	4539658	Score	88
Exons	5704..5838		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o4.tw	Method	TBLASTX:Wheat
Start	428	End	765
GI	none	Score	82
Exons	428..562, 565..765		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	766	End	1295
GI	none	Score	162
Exons	766..1014, 1002..1295		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	1008	End	1393
GI	none	Score	243
Exons	1008..1319, 1043..1306, 1322..1393		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	5901	End	6341
GI	none	Score	48
Exons	5901..5942, 6012..6239, 6228..6341		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	5981	End	6298
GI	none	Score	351
Exons	5981..6058, 5982..6260, 5985..6284, 6119..6298		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o3.tw	Method	TBLASTX:Wheat
Start	6036	End	6587
GI	none	Score	218
Exons	6036..6347, 6406..6444, 6495..6587		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	6495	End	6956
GI	none	Score	257
Exons	6495..6857, 6497..6703, 6869..6946, 6870..6956		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	6681	End	15058
GI	none	Score	327
Exons	6681..7049, 6690..7049, 14878..14976, 15002..15058		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	7145	End	7417
GI	none	Score	170
Exons	7145..7324, 7162..7239, 7178..7303, 7316..7417		

Seq. No.	44468	Seq. ID	OJ000350_12.0323.C6
Gene No.	93725	Strand	-
Start	12685	End	15058
Name	OJ000350_12.0323.C6.o4.gs	Method	GENSCAN
Start	12685	End	13711
GI	none	Score	.5
Exons	12685..12875, 13220..13405, 13684..13711		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o1.gs	Method	GENSCAN
Start	105	End	3364
GI	none	Score	.59
Exons	105..206, 1999..2266, 2907..3364		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o1.np	Method	AAT/NAP
Start	549	End	802
GI	2130159	Score	418
Exons	549..802		
GI Descrip.	hypothetical protein 85 - maize chloroplast gi|902275|emb|CAA60340| (X86563) ORF85 [Zea mays] gi|902296|emb|CAA60360| (X86563) ORF85 [Zea mays]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o1.gp	Method	AAT/GAP
Start	1223	End	3191
GI	183_5.R1084	Score	2749
Exons	1223..2266, 2807..3191		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o3.np	Method	AAT/NAP
Start	1447	End	2420
GI	6723798	Score	163
Exons	1447..1698, 2386..2420		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723825|emb|CAB67236.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o4.np	Method	AAT/NAP
Start	2392	End	2829

GI	140281	Score	558
Exons	2392..2829		
GI Descrip.	HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) gi|81821|pir||S05717 hypothetical protein 143 - soybean chloroplast gi|11577|emb|CAA30522| (X07675) ORF 143 [Glycine max]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93726	Strand	+
Start	105	End	3364
Name	OJ000350_12.0323.C10.o5.np	Method	AAT/NAP
Start	2894	End	3361
GI	133999	Score	771
Exons	2894..3361		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 gi|70904|pir||R3RZ7 ribosomal protein S7 - rice chloroplast gi|12037|emb|CAA33942| (X15901) ribosomal protein S7 [Oryza sativa] gi|12065|emb|CAA33919| (X15901) ribosomal protein S7 [Oryza sativa] gi|226657|prf||1603356CH ribosomal protein S7 [Oryza sativa]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93727	Strand	+
Start	3664	End	5903
Name	OJ000350_12.0323.C10.o6.np	Method	AAT/NAP
Start	3664	End	5903
GI	128657	Score	2544
Exons	3664..4440, 5153..5903		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 2, CHLOROPLAST gi|66149|pir||DERZN2 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - rice chloroplast gi|669085|emb|CAA33941| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|669089|emb|CAA33920| (X15901) NADH dehydrogenase ND2 [Oryza sativa] gi|226656|prf||1603356CG NADH dehydrogenase ND2 [Oryza sativa]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93728	Strand	-
Start	999	End	1368
Name	OJ000350_12.0323.C10.o2.np	Method	AAT/NAP
Start	999	End	1368
GI	6723799	Score	361
Exons	999..1196, 1258..1368		
GI Descrip.	(AJ271079) hypothetical protein [Oenothera elata subsp. hookeri] gi|6723824|emb|CAB67235.1| (AJ271079) hypothetical protein [Oenothera elata subsp. hookeri]		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	2	End	1383
GI	none	Score	118
Exons	2..79, 3..77, 68..103, 81..107, 81..107, 101..193, 106..231, 108..203, 115..222, 199..315, 201..317, 319..372, 324..383, 326..385, 410..511, 411..509, 412..594, 419..595, 610..654, 614..772, 615..722, 662..778, 667..798, 669..776, 794..856, 795..890, 820..888, 858..893, 859..894, 862..894, 895..927,		

897..926, 898..930, 922..1002, 923..1003, 927..1004, 1051..1197, 1058..1156, 1059..1190, 1259..1288, 1264..1290, 1264..1290, 1288..1383, 1297..1383

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o3.tw	Method	TBLASTX:Wheat
Start	2	End	297
GI	none	Score	65
Exons	2..37, 3..35, 36..113, 39..95, 40..96, 99..164, 100..186, 149..190, 159..203, 159..203, 160..231, 160..222, 202..297, 220..297		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o5.ts	Method	TBLASTX:Soybean
Start	1030	End	2142
GI	none	Score	163
Exons	1030..1170, 1031..1195, 1039..1197, 1041..1196, 1258..1296, 1311..1403, 1328..1384, 1411..1515, 1411..1488, 1522..1548, 1523..1549, 1542..1607, 1543..1608, 1544..1609, 1681..1743, 1731..1766, 1732..1773, 1732..1776, 1773..1805, 1774..1809, 1825..1872, 1829..1879, 1831..1926, 1836..1958, 1836..1925, 1935..2141, 1941..2141, 1942..2142, 1945..2142		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	1225	End	3102
GI	none	Score	514
Exons	1225..1527, 1225..1530, 1233..1532, 1525..1584, 1526..1609, 1527..1610, 1669..1872, 1670..1756, 1671..3101, 1671..3077, 1684..3102, 2632..3102		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o5.tc	Method	TBLASTX:Cress
Start	1384	End	1605
GI	none	Score	113
Exons	1384..1407, 1401..1544, 1402..1545, 1409..1546, 1412..1543, 1413..1544, 1536..1568, 1539..1580, 1570..1605		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o2.tc	Method	TBLASTX:Cress
Start	1671	End	5129
GI	none	Score	53
Exons	1671..1706, 1671..1712, 1672..1716, 1673..1714, 1688..1756, 1698..1772, 1702..1746, 1762..1809, 1773..1847, 1811..1879, 1815..1931, 1816..1932, 1823..1936, 1824..1940, 1890..2411, 1891..2412, 1909..1935, 1935..2411, 1942..2412, 5073..5129		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o4.ts	Method	TBLASTX:Soybean
Start	2300	End	2702
GI	none	Score	239
Exons	2300..2455, 2301..2453, 2302..2484, 2302..2481, 2454..2567, 2454..2567, 2579..2701, 2580..2702		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o4.tc	Method	TBLASTX:Cress
Start	2687	End	2847
GI	none	Score	184
Exons	2687..2827, 2688..2828, 2691..2834, 2692..2829, 2692..2847, 2726..2836		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	2704	End	3428
GI	none	Score	195
Exons	2704..2829, 2704..2829, 2709..2831, 2822..3130, 2823..2867, 2824..2886, 2883..3077, 2884..3132, 2884..3129, 3136..3381, 3141..3380, 3155..3385, 3381..3428, 3384..3425		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o3.tc	Method	TBLASTX:Cress
Start	2894	End	3416
GI	none	Score	119
Exons	2894..3001, 2907..2999, 2995..3129, 3009..3128, 3014..3130, 3128..3379, 3136..3381, 3153..3380, 3155..3385, 3381..3416, 3384..3413		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	3103	End	3458
GI	none	Score	575
Exons	3103..3411, 3105..3455, 3141..3458		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o3.tm	Method	TBLASTX:Maize
Start	3472	End	3596
GI	none	Score	181
Exons	3472..3591, 3493..3591, 3509..3595, 3510..3596		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303

Name	OJ000350_12.0323.C10.o3.ts	Method	TBLASTX:Soybean
Start	3541	End	3993
GI	none	Score	103
Exons	3541..3627, 3542..3658, 3543..3656, 3611..3688, 3612..3674, 3614..3688, 3675..3962, 3675..3992, 3676..3993, 3676..3993		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o6.ts	Method	TBLASTX:Soybean
Start	3994	End	4220
GI	none	Score	372
Exons	3994..4218, 3996..4220		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	5426	End	5917
GI	none	Score	229
Exons	5426..5584, 5433..5564, 5552..5905, 5552..5917, 5560..5907		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o2.tw	Method	TBLASTX:Wheat
Start	5712	End	6198
GI	none	Score	271
Exons	5712..5894, 5712..5759, 5713..5946, 5714..5953, 5900..5992, 5942..5992, 5943..5993, 5952..5993, 5978..6079, 5998..6018, 6004..6081, 6004..6045, 6006..6083, 6008..6070, 6010..6069, 6025..6072, 6063..6119, 6063..6119, 6076..6120, 6120..6197, 6120..6197, 6121..6198, 6121..6198		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o2.gs	Method	GENSCAN
Start	6542	End	6971
GI	none	Score	.81
Exons	6542..6690, 6863..6971		

Seq. No.	44469	Seq. ID	OJ000350_12.0323.C10
Gene No.	93729	Strand	-
Start	6542	End	7303
Name	OJ000350_12.0323.C10.o7.np	Method	AAT/NAP
Start	6558	End	7303
GI	82523	Score	810
Exons	6558..7303		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93730	Strand	+
Start	943	End	1047

Name	OJ000350_12.0323.C11.o1.gs	Method	GENSCAN
Start	943	End	1047
GI	none	Score	.89
Exons	943..1047		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93731	Strand	+
Start	2197	End	2411
Name	OJ000350_12.0323.C11.o2.gp	Method	AAT/GAP
Start	2197	End	2411
GI	3107396	Score	414
Exons	2197..2411		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93732	Strand	+
Start	4054	End	8348
Name	OJ000350_12.0323.C11.o1.np	Method	AAT/NAP
Start	4054	End	4375
GI	4249380	Score	142
Exons	4054..4106, 4158..4375		
GI Descrip.	(AC005966) ESTs gb|Z37637, gb|AA042498 and gb|AA042269 come from this gene. [Arabidopsis thaliana]		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93732	Strand	+
Start	4054	End	8348
Name	OJ000350_12.0323.C11.o3.gs	Method	GENSCAN
Start	4054	End	8348
GI	none	Score	.44
Exons	4054..4375, 4474..4610, 6396..6578, 7115..7399, 7806..7895, 8262..8348		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93733	Strand	-
Start	1	End	84
Name	OJ000350_12.0323.C11.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	3760640	Score	92
Exons	1..84		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44470	Seq. ID	OJ000350_12.0323.C11
Gene No.	93734	Strand	-
Start	1886	End	2842
Name	OJ000350_12.0323.C11.o2.gs	Method	GENSCAN
Start	1886	End	2842
GI	none	Score	.68
Exons	1886..2092, 2098..2225, 2434..2493, 2776..2842		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93735	Strand	+
Start	1	End	2925
Name	OJ000350_12.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	2918
GI	7106512	Score	1275
Exons	1..32, 846..1361, 2047..2498, 2553..2918		

GI Descrip. (AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93735	Strand	+
Start	1	End	2925
Name	OJ000350_12.0323.C12.o1.gs	Method	GENSCAN
Start	95	End	2925
GI	none	Score	.56
Exons	95..154, 374..482, 880..1030, 1103..1191, 2008..2374, 2523..2756, 2758..2925		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93736	Strand	+
Start	3307	End	3459
Name	OJ000350_12.0323.C12.o2.gs	Method	GENSCAN
Start	3307	End	3459
GI	none	Score	.99
Exons	3307..3459		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93737	Strand	+
Start	7523	End	10457
Name	OJ000350_12.0323.C12.o3.gs	Method	GENSCAN
Start	7523	End	10457
GI	none	Score	.45
Exons	7523..7671, 7823..8090, 9867..9959, 10128..10201, 10292..10457		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o2.np	Method	AAT/NAP
Start	10596	End	19193
GI	6466937	Score	2048
Exons	10596..13421, 14885..15331, 19169..19193		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o5.gs	Method	GENSCAN
Start	14102	End	14797
GI	none	Score	.45
Exons	14102..14146, 14708..14797		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o1.gp	Method	AAT/GAP
Start	15951	End	17058
GI	30942_1.R1084	Score	1101
Exons	15951..15973, 16146..16622, 16957..17058		
GI Descrip.	'3297808/emb|CAA19866.1| 9.0e-35 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12

Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o6.gs	Method	GENSCAN
Start	16272	End	18803
GI	none	Score	.91
Exons	16272..16622, 16957..17457, 17823..18203, 18296..18462, 18578..18803		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o3.np	Method	AAT/NAP
Start	16391	End	18077
GI	3885492	Score	1332
Exons	16391..16622, 16957..17457, 17823..18077		
GI Descrip.	(AF063865) tapetum specific protein [Zea mays]		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o2.gp	Method	AAT/GAP
Start	17129	End	18040
GI	36713_1.R1084	Score	1043
Exons	17129..17457, 17823..18040		
GI Descrip.	'3885492 6.0e-84 (AF063865) tapetum specific protein [Zea mays]'		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93738	Strand	-
Start	10596	End	19675
Name	OJ000350_12.0323.C12.o3.gp	Method	AAT/GAP
Start	18334	End	19675
GI	29130_1.R1084	Score	937
Exons	18334..18462, 18578..18818, 19361..19407, 19591..19675		
GI Descrip.	'3297809/emb|CAA19867.1| 9.0e-21 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	1035	End	17152
GI	none	Score	221
Exons	1035..1109, 16401..16628, 16441..16623, 16484..16624, 16943..17152, 16952..17059, 16954..17151		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o6.tm	Method	TBLASTX:Maize
Start	10701	End	11261
GI	none	Score	104
Exons	10701..10925, 10914..11261, 10954..11226, 10962..11261		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o4.tw	Method	TBLASTX:Wheat

Start	10851	End	11255
GI	none	Score	118
Exons	10851..11255, 10965..11210		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	11340	End	11975
GI	none	Score	75
Exons	11340..11798, 11359..11490, 11367..11618, 11527..11799, 11644..11898, 11859..11975		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o6.tw	Method	TBLASTX:Wheat
Start	11340	End	11720
GI	none	Score	55
Exons	11340..11720, 11412..11633		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	11568	End	11954
GI	none	Score	101
Exons	11568..11798, 11638..11796, 11850..11954		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o5.tw	Method	TBLASTX:Wheat
Start	11808	End	12200
GI	none	Score	70
Exons	11808..12044, 11850..12200, 11851..12180		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o8.tm	Method	TBLASTX:Maize
Start	12033	End	12394
GI	none	Score	65
Exons	12033..12266, 12151..12267, 12281..12394, 12285..12386		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o4.tm	Method	TBLASTX:Maize
Start	12395	End	12923
GI	none	Score	50
Exons	12395..12487, 12395..12532, 12507..12923, 12513..12641, 12571..12888		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545

Name	OJ000350_12.0323.C12.o3.tw	Method	TBLASTX:Wheat
Start	12549	End	12947
GI	none	Score	105
Exons	12549..12947, 12580..12888		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	12660	End	13018
GI	none	Score	59
Exons	12660..12962, 12673..12858, 12953..13018, 12954..13010		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	12950	End	13414
GI	none	Score	183
Exons	12950..13414, 12972..13412, 12974..13414		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	12995	End	13423
GI	none	Score	202
Exons	12995..13408, 12999..13373, 13121..13423		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o5.ts	Method	TBLASTX:Soybean
Start	13127	End	13414
GI	none	Score	94
Exons	13127..13318, 13127..13414		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	16251	End	17482
GI	none	Score	281
Exons	16251..16343, 16290..16628, 16354..16623, 16952..17059, 16954..17478, 16955..17482		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o4.ts	Method	TBLASTX:Soybean
Start	16335	End	16628
GI	none	Score	88
Exons	16335..16628, 16453..16614		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545

Name	OJ000350_12.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	17164	End	17931
GI	none	Score	94
Exons	17164..17400, 17165..17374, 17392..17463, 17818..17931, 17820..17930		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	17257	End	17960
GI	none	Score	108
Exons	17257..17454, 17826..17960		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o5.tm	Method	TBLASTX:Maize
Start	17967	End	18416
GI	none	Score	193
Exons	17967..18206, 17968..18204, 17970..18209, 18278..18415, 18279..18416		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o7.tm	Method	TBLASTX:Maize
Start	18441	End	19408
GI	none	Score	38
Exons	18441..18464, 18579..18659, 18580..18651, 18657..18836, 18664..18819, 18669..18830, 19361..19408		

Seq. No.	44471	Seq. ID	OJ000350_12.0323.C12
Gene No.	93739	Strand	-
Start	21114	End	21545
Name	OJ000350_12.0323.C12.o4.gp	Method	AAT/GAP
Start	21114	End	21545
GI	LIB3432-059-P1-K1-D8	Score	661
Exons	21114..21545		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93740	Strand	+
Start	74	End	791
Name	OJ000350_12.0323.C13.o1.gs	Method	GENSCAN
Start	74	End	791
GI	none	Score	.5
Exons	74..219, 690..791		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o1.np	Method	AAT/NAP
Start	8794	End	10869
GI	7485616	Score	1155
Exons	8794..9153, 9237..10297, 10644..10869		

GI Descrip. hypothetical protein F17I5.20 - Arabidopsis thaliana gi|3297807|emb|CAA19865.1| (AL031032) putative protein [Arabidopsis thaliana] gi|7270332|emb|CAB80100.1| (AL161584) putative protein [Arabidopsis thaliana]

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	8797	End	9741
GI	none	Score	63
Exons	8797..8931, 8807..8905, 8971..9153, 8972..9142, 8980..9153, 9226..9339, 9234..9341, 9336..9428, 9345..9614, 9346..9615, 9615..9740, 9630..9734, 9691..9741		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o2.gs	Method	GENSCAN
Start	8800	End	10851
GI	none	Score	.89
Exons	8800..9150, 9237..10297, 10644..10851		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	8848	End	9281
GI	none	Score	95
Exons	8848..8931, 8968..9153, 8969..9151, 9255..9281		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	8971	End	9432
GI	none	Score	184
Exons	8971..9153, 8972..9142, 8980..9153, 9232..9339, 9234..9338, 9237..9341, 9312..9428, 9345..9431, 9346..9432		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	9438	End	9852
GI	none	Score	67
Exons	9438..9614, 9535..9615, 9681..9851, 9687..9782, 9715..9852		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13
Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	9546	End	9881
GI	none	Score	102
Exons	9546..9614, 9615..9881, 9709..9879		

Seq. No.	44472	Seq. ID	OJ000350_12.0323.C13

Gene No.	93741	Strand	-
Start	8800	End	10869
Name	OJ000350_12.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	9888	End	10251
GI	none	Score	100
Exons	9888..10007, 9889..10008, 10026..10172, 10036..10101, 10055..10141, 10056..10250, 10063..10251		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93742	Strand	+
Start	2220	End	2571
Name	OJ000350_12.0323.C14.o1.gp	Method	AAT/GAP
Start	2220	End	2571
GI	uC-osflcyp093d07b1	Score	665
Exons	2220..2571		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93743	Strand	+
Start	3350	End	3822
Name	OJ000350_12.0323.C14.o1.np	Method	AAT/NAP
Start	3350	End	3822
GI	225024	Score	218
Exons	3350..3822		
GI Descrip.	calmodulin [Chlamydomonas reinhardtii]		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	3410	End	3787
GI	none	Score	64
Exons	3410..3451, 3416..3523, 3417..3485, 3461..3556, 3462..3557, 3573..3635, 3597..3680, 3602..3631, 3634..3681, 3689..3736, 3728..3787		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	3416	End	3787
GI	none	Score	58
Exons	3416..3523, 3417..3485, 3461..3556, 3462..3557, 3512..3565, 3570..3635, 3573..3635, 3574..3636, 3597..3680, 3634..3681, 3689..3736, 3689..3745, 3705..3746, 3728..3787		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	3416	End	3787
GI	none	Score	58
Exons	3416..3520, 3417..3485, 3461..3556, 3462..3557, 3574..3636, 3597..3680, 3602..3631, 3634..3681, 3689..3736, 3689..3736, 3728..3787		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o2.tc	Method	TBLASTX:Cress
Start	3417	End	3787
GI	none	Score	58
Exons	3417..3485, 3461..3556, 3462..3557, 3602..3631, 3634..3681, 3689..3736, 3728..3787		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o3.np	Method	AAT/NAP
Start	11409	End	13583
GI	7485754	Score	689
Exons	11409..12477, 12572..12655, 12743..13180, 13225..13583		
GI Descrip.	hypothetical protein F19D11.13 - Arabidopsis thaliana gi|6598416|gb|AAC34215.2| (AC004411) putative Ser/Thr protein kinase [Arabidopsis thaliana]		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	11666	End	12259
GI	none	Score	105
Exons	11666..11728, 11732..11815, 11825..11989, 12011..12058, 12098..12259		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	11825	End	12259
GI	none	Score	116
Exons	11825..12058, 12098..12259		

Seq. No.	44473	Seq. ID	OJ000350_12.0323.C14
Gene No.	93744	Strand	-
Start	11409	End	13583
Name	OJ000350_12.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	11825	End	12259
GI	none	Score	60
Exons	11825..12070, 12101..12154, 12170..12259		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93745	Strand	+
Start	244	End	1207
Name	OJ000350_12.0323.C15.o1.gs	Method	GENSCAN
Start	244	End	1207
GI	none	Score	.83
Exons	244..293, 585..664, 1149..1207		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93746	Strand	+
Start	2914	End	3433
Name	OJ000350_12.0323.C15.o1.gp	Method	AAT/GAP

Start	2914	End	3383
GI	uC-osf1cyp097b05b1	Score	895
Exons	2914..3383		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93746	Strand	+
Start	2914	End	3433
Name	OJ000350_12.0323.C15.o2.np	Method	AAT/NAP
Start	3035	End	3433
GI	140503	Score	683
Exons	3035..3433		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93747	Strand	+
Start	4475	End	4801
Name	OJ000350_12.0323.C15.o4.np	Method	AAT/NAP
Start	4475	End	4801
GI	226661	Score	561
Exons	4475..4801		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93748	Strand	-
Start	1929	End	2263
Name	OJ000350_12.0323.C15.o1.np	Method	AAT/NAP
Start	1929	End	2263
GI	320569	Score	249
Exons	1929..2263		
GI Descrip.	transposon TNT1 - Arabidopsis thaliana (fragment)		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	1936	End	2219
GI	none	Score	161
Exons	1936..2037, 1938..2150, 1938..2156, 2150..2218, 2157..2219		

Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o3.ts	Method	TBLASTX:Soybean
Start	1938	End	2218
GI	none	Score	77

Exons	1938..2051, 2053..2175, 2061..2159, 2180..2218, 2192..2215		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	2633	End	3117
GI	none	Score	110
Exons	2633..2764, 2634..2765, 2641..2778, 2642..2779, 2804..2866, 2805..2870, 2806..2886, 2816..3115, 2817..3116, 2845..3117, 2845..3117		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o4.tc	Method	TBLASTX:Cress
Start	2635	End	2951
GI	none	Score	69
Exons	2635..2691, 2641..2691, 2642..2692, 2680..2766, 2683..2745, 2696..2767, 2802..2855, 2825..2866, 2827..2871, 2866..2949, 2866..2949, 2880..2951		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o2.ts	Method	TBLASTX:Soybean
Start	3329	End	3573
GI	none	Score	199
Exons	3329..3460, 3329..3466, 3450..3500, 3450..3506, 3451..3504, 3512..3571, 3513..3572, 3513..3572, 3514..3573		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	3592	End	4148
GI	none	Score	80
Exons	3592..3621, 3620..3709, 3622..3711, 3623..3712, 3656..3796, 3687..3821, 3713..3796, 3796..3978, 3797..3979, 3967..4146, 3974..4147, 3975..4148, 3975..4148		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	3911	End	4547
GI	none	Score	367
Exons	3911..4171, 3913..4155, 4147..4275, 4150..4284, 4154..4300, 4157..4279, 4200..4280, 4269..4475, 4270..4461, 4277..4465, 4460..4546, 4461..4547, 4461..4547		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o2.gs	Method	GENSCAN
Start	3952	End	4775
GI	none	Score	.73

Exons	3952..4099, 4675..4775		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o2.gp	Method	AAT/GAP
Start	4028	End	4999
GI	688_1.R1084	Score	1828
Exons	4028..4999		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o3.np	Method	AAT/NAP
Start	4148	End	4299
GI	320577	Score	179
Exons	4148..4299		
GI Descrip.	pvs protein 1 - kidney bean mitochondrion gi|169320 (M64246) ORF-98; putative [Phaseolus vulgaris]		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o2.tc	Method	TBLASTX:Cress
Start	4161	End	4535
GI	none	Score	155
Exons	4161..4274, 4163..4273, 4200..4274, 4270..4464, 4271..4465, 4272..4475, 4460..4534, 4461..4535		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o3.tc	Method	TBLASTX:Cress
Start	4646	End	4999
GI	none	Score	40
Exons	4646..4681, 4652..4681, 4653..4685, 4657..4770, 4669..4779, 4682..4780, 4682..4795, 4695..4796, 4743..4880, 4799..4879, 4831..4887, 4839..4880, 4881..4994, 4882..4995, 4882..4989, 4883..4999		
Seq. No.	44474	Seq. ID	OJ000350_12.0323.C15
Gene No.	93749	Strand	-
Start	3952	End	4999
Name	OJ000350_12.0323.C15.o4.ts	Method	TBLASTX:Soybean
Start	4799	End	4999
GI	none	Score	133
Exons	4799..4915, 4800..4880, 4831..4887, 4894..4923, 4906..4959, 4919..4972, 4920..4973, 4962..4994, 4965..4997, 4969..4995, 4970..4999		
Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.gp	Method	AAT/GAP
Start	1326	End	1778

GI	none	Score	835
Exons	1326..1778		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.gs	Method	GENSCAN
Start	1418	End	6754
GI	none	Score	.88
Exons	1418..1756, 2137..2220, 2493..2631, 3261..3362, 3467..3567, 4389..4583, 5812..5881, 6362..6522, 6581..6754		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.np	Method	AAT/NAP
Start	1444	End	6745
GI	4324597	Score	1432
Exons	1444..1756, 2137..2220, 2328..2390, 2493..2631, 3261..3362, 3467..3567, 4058..4124, 4217..4263, 4389..4583, 4666..4712, 4840..4899, 5385..5482, 6362..6480, 6581..6745		
GI Descrip.	(AF106324) sodium proton exchanger Nhx1 [Arabidopsis thaliana] gi|6650177|gb|AAF21755.1|AF056190_1 (AF056190) Na+/H+ exchanger [Arabidopsis thaliana]		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o2.ts	Method	TBLASTX:Soybean
Start	1461	End	3550
GI	none	Score	117
Exons	1461..1550, 1478..1588, 1520..1576, 1703..1756, 2134..2223, 2134..2223, 2135..2224, 2313..2390, 2338..2391, 2484..2597, 2484..2633, 2485..2634, 3261..3365, 3266..3364, 3273..3365, 3418..3546, 3467..3550, 3467..3547		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.tm	Method	TBLASTX:Maize
Start	1499	End	6613
GI	none	Score	137
Exons	1499..1615, 1500..1556, 1501..1620, 1619..1687, 1623..1685, 1624..1701, 1706..1756, 1706..1756, 1707..1781, 2134..2220, 2135..2221, 2137..2214, 2299..2391, 2313..2390, 2327..2395, 2484..2633, 2485..2634, 2492..2635, 2493..2639, 3261..3365, 3263..3364, 3418..3567, 3463..3567, 3467..3577, 3467..3574, 4055..4144, 4056..4127, 4059..4148, 4216..4260, 4217..4261, 4347..4586, 4380..4595, 4393..4596, 4532..4597, 4663..4719, 4664..4714, 4841..4900, 4841..4918, 4842..4922, 5384..5482, 5398..5481, 6359..6481, 6361..6486, 6579..6611, 6581..6613		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.tw	Method	TBLASTX:Wheat
Start	1658	End	2522

GI	none	Score	110
Exons	1658..1756, 1658..1756, 1660..1758, 2121..2222, 2135..2221, 2136..2228, 2137..2223, 2299..2391, 2313..2390, 2328..2393, 2330..2395, 2484..2522, 2485..2517		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.tc	Method	TBLASTX:Cress
Start	2134	End	3322
GI	none	Score	70
Exons	2134..2223, 2135..2221, 2314..2391, 2328..2402, 2484..2633, 2485..2634, 3266..3322		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o1.ts	Method	TBLASTX:Soybean
Start	4216	End	4900
GI	none	Score	43
Exons	4216..4260, 4217..4261, 4380..4595, 4381..4596, 4663..4719, 4664..4714, 4841..4900		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o2.tc	Method	TBLASTX:Cress
Start	4434	End	6433
GI	none	Score	122
Exons	4434..4595, 4489..4587, 4661..4714, 4663..4719, 4841..4900, 5384..5482, 5404..5481, 5416..5484, 6359..6433, 6361..6432		

Seq. No.	44475	Seq. ID	OJ000210_17.0322.C3
Gene No.	93750	Strand	-
Start	1418	End	6754
Name	OJ000210_17.0322.C3.o3.ts	Method	TBLASTX:Soybean
Start	5425	End	6736
GI	none	Score	77
Exons	5425..5481, 5426..5482, 6356..6472, 6359..6490, 6361..6486, 6546..6731, 6581..6736		

Seq. No.	44476	Seq. ID	OJ000210_17.0322.C4
Gene No.	93751	Strand	+
Start	1912	End	2028
Name	OJ000210_17.0322.C4.o1.np	Method	AAT/NAP
Start	1912	End	2028
GI	5852093	Score	79
Exons	1912..2028		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44476	Seq. ID	OJ000210_17.0322.C4
Gene No.	93752	Strand	+
Start	2587	End	2698
Name	OJ000210_17.0322.C4.o1.gp	Method	AAT/GAP
Start	2587	End	2698
GI	none	Score	193
Exons	2587..2698		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93753	Strand	+
Start	1	End	117
Name	OJ000210_17.0322.C5.o1.gp	Method	AAT/GAP
Start	1	End	117
GI	none	Score	230
Exons	1..117		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93754	Strand	+
Start	416	End	3304
Name	OJ000210_17.0322.C5.o2.gp	Method	AAT/GAP
Start	416	End	1841
GI	none	Score	784
Exons	416..479, 587..658, 848..916, 1462..1508, 1638..1841		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93754	Strand	+
Start	416	End	3304
Name	OJ000210_17.0322.C5.o1.gs	Method	GENSCAN
Start	587	End	3137
GI	none	Score	.67
Exons	587..658, 848..916, 1462..1508, 1638..1761, 1837..1905, 1986..2089, 2515..2590, 2964..3137		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93754	Strand	+
Start	416	End	3304
Name	OJ000210_17.0322.C5.o3.gp	Method	AAT/GAP
Start	2502	End	3304
GI	4715667	Score	762
Exons	2502..2590, 2964..3304		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93755	Strand	+
Start	5962	End	7809
Name	OJ000210_17.0322.C5.o3.gs	Method	GENSCAN
Start	5962	End	7809
GI	none	Score	.62
Exons	5962..6111, 6560..6635, 7069..7139, 7726..7809		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93756	Strand	+
Start	8784	End	10085
Name	OJ000210_17.0322.C5.o1.np	Method	AAT/NAP
Start	8781	End	10085
GI	4127354	Score	497
Exons	8781..8930, 9148..9196, 9392..9774, 10017..10085		
GI Descrip.	(AJ010452) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93756	Strand	+
Start	8784	End	10085
Name	OJ000210_17.0322.C5.o4.gs	Method	GENSCAN
Start	8784	End	9795
GI	none	Score	.99

Exons	8784..8930, 9148..9196, 9392..9795		
Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93757	Strand	-
Start	9308	End	9386
Name	OJ000210_17.0322.C5.o4.gp	Method	AAT/GAP
Start	9308	End	9386
GI	5867_1.R1084	Score	119
Exons	9308..9386		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		
Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o2.ts	Method	TBLASTX:Soybean
Start	29	End	3098
GI	none	Score	68
Exons	29..106, 63..113, 242..319, 245..316, 395..514, 396..482, 586..681, 587..658, 839..919, 2958..3098		
Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o2.tm	Method	TBLASTX:Maize
Start	244	End	1908
GI	none	Score	100
Exons	244..315, 244..315, 245..316, 394..483, 395..484, 396..479, 404..484, 589..681, 593..658, 595..660, 838..915, 839..925, 845..925, 1454..1507, 1461..1535, 1461..1508, 1584..1763, 1627..1761, 1644..1769, 1799..1903, 1814..1903, 1819..1905, 1837..1908		
Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o1.ts	Method	TBLASTX:Soybean
Start	1650	End	2578
GI	5058550	Score	75
Exons	1650..1754, 1822..1908, 1826..1906, 1830..1907, 1837..1920, 1838..1912, 1970..2089, 1971..2090, 2519..2578, 2520..2576, 2521..2577		
GI Descrip.	-		
Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o1.tm	Method	TBLASTX:Maize
Start	8793	End	9774
GI	none	Score	97
Exons	8793..8951, 8844..8921, 9407..9499, 9430..9570, 9432..9569, 9568..9774, 9660..9701		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o1.tw	Method	TBLASTX:Wheat
Start	9148	End	9791
GI	none	Score	69
Exons	9148..9204, 9391..9444, 9430..9774, 9438..9791		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o1.tc	Method	TBLASTX:Cress
Start	9391	End	9726
GI	none	Score	41
Exons	9391..9429, 9460..9591, 9568..9726		

Seq. No.	44477	Seq. ID	OJ000210_17.0322.C5
Gene No.	93758	Strand	-
Start	9979	End	10166
Name	OJ000210_17.0322.C5.o5.gs	Method	GENSCAN
Start	9979	End	10166
GI	none	Score	.96
Exons	9979..10166		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915
Name	OJ000210_17.0322.C6.o1.gs	Method	GENSCAN
Start	843	End	1825
GI	none	Score	.77
Exons	843..1634, 1817..1825		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915
Name	OJ000210_17.0322.C6.o1.np	Method	AAT/NAP
Start	846	End	1915
GI	6539553	Score	1815
Exons	846..1915		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915
Name	OJ000210_17.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	982	End	1458
GI	none	Score	356
Exons	982..1368, 983..1366, 1020..1367, 1383..1457, 1385..1456, 1387..1458		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915

Name	OJ000210_17.0322.C6.o2.ts	Method	TBLASTX:Soybean
Start	1110	End	1451
GI	none	Score	79
Exons	1110..1319, 1189..1314, 1338..1451, 1345..1425		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915
Name	OJ000210_17.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	1314	End	1653
GI	none	Score	205
Exons	1314..1652, 1315..1653		

Seq. No.	44478	Seq. ID	OJ000210_17.0322.C6
Gene No.	93759	Strand	-
Start	843	End	1915
Name	OJ000210_17.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	1464	End	1809
GI	none	Score	126
Exons	1464..1808, 1609..1809		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93760	Strand	+
Start	3986	End	4537
Name	OJ000210_17.0322.C7.o2.gs	Method	GENSCAN
Start	3986	End	4537
GI	none	Score	1
Exons	3986..4537		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93761	Strand	-
Start	1	End	2566
Name	OJ000210_17.0322.C7.o1.np	Method	AAT/NAP
Start	1	End	2566
GI	6539553	Score	4468
Exons	1..2566		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o1.tw	Method	TBLASTX:Wheat
Start	86	End	841
GI	none	Score	200
Exons	86..325, 87..245, 103..333, 106..303, 354..833, 377..841		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o1.tc	Method	TBLASTX:Cress
Start	467	End	856
GI	none	Score	113
Exons	467..661, 674..856		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o1.ts	Method	TBLASTX:Soybean
Start	491	End	889
GI	none	Score	46
Exons	491..664, 618..662, 665..889, 669..881		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o3.tm	Method	TBLASTX:Maize
Start	677	End	1111
GI	none	Score	84
Exons	677..1111, 702..902		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o3.tw	Method	TBLASTX:Wheat
Start	842	End	1033
GI	none	Score	188
Exons	842..1033, 842..1033		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o3.ts	Method	TBLASTX:Soybean
Start	899	End	1285
GI	none	Score	88
Exons	899..1147, 1130..1285		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o1.tm	Method	TBLASTX:Maize
Start	1312	End	1634
GI	none	Score	395
Exons	1312..1479, 1313..1627, 1314..1607, 1380..1634		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o4.tm	Method	TBLASTX:Maize
Start	2133	End	2427
GI	none	Score	231
Exons	2133..2348, 2134..2376, 2135..2371, 2138..2383, 2365..2427		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o2.tw	Method	TBLASTX:Wheat
Start	2194	End	2572
GI	none	Score	137
Exons	2194..2346, 2195..2374, 2196..2327, 2198..2374, 2369..2572, 2403..2561		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o5.tm	Method	TBLASTX:Maize
Start	4051	End	4447
GI	none	Score	181
Exons	4051..4248, 4067..4249, 4319..4447		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o3.gs	Method	GENSCAN
Start	5970	End	8516
GI	none	Score	.88
Exons	5970..6898, 7714..7855, 8370..8516		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o2.tm	Method	TBLASTX:Maize
Start	5985	End	6812
GI	none	Score	86
Exons	5985..6086, 6393..6551, 6393..6548, 6421..6777, 6549..6608, 6606..6812, 6636..6812		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o2.ts	Method	TBLASTX:Soybean
Start	6447	End	6809
GI	none	Score	68
Exons	6447..6809, 6454..6570, 6636..6770		

Seq. No.	44479	Seq. ID	OJ000210_17.0322.C7
Gene No.	93762	Strand	-
Start	5970	End	8781
Name	OJ000210_17.0322.C7.o2.np	Method	AAT/NAP
Start	8086	End	8781
GI	5042454	Score	267
Exons	8086..8139, 8370..8542, 8728..8781		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44480	Seq. ID	OJ000210_17.0322.C8
Gene No.	93763	Strand	+
Start	1	End	131
Name	OJ000210_17.0322.C8.o1.np	Method	AAT/NAP
Start	1	End	131
GI	7523512	Score	132
Exons	1..131		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44480	Seq. ID	OJ000210_17.0322.C8
Gene No.	93764	Strand	+
Start	296	End	7467
Name	OJ000210_17.0322.C8.o2.np	Method	AAT/NAP
Start	296	End	4213
GI	7413570	Score	144

Exons	296..365, 1594..2048, 2309..2339, 4189..4213		
GI Descrip.	(AL162973) putative protein [Arabidopsis thaliana]		
Seq. No.	44480	Seq. ID	OJ000210_17.0322.C8
Gene No.	93764	Strand	+
Start	296	End	7467
Name	OJ000210_17.0322.C8.o1.gs	Method	GENSCAN
Start	314	End	7467
GI	none	Score	.71
Exons	314..399, 1454..2244, 5894..5977, 6445..7467		
Seq. No.	44480	Seq. ID	OJ000210_17.0322.C8
Gene No.	93764	Strand	+
Start	296	End	7467
Name	OJ000210_17.0322.C8.o1.tm	Method	TBLASTX:Maize
Start	1443	End	1994
GI	none	Score	38
Exons	1443..1469, 1580..1804, 1581..1805, 1811..1981, 1875..1994		
Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93765	Strand	+
Start	73	End	872
Name	OJ000210_17.0322.C9.o1.gs	Method	GENSCAN
Start	73	End	872
GI	none	Score	.97
Exons	73..295, 438..872		
Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93766	Strand	-
Start	2723	End	4522
Name	OJ000210_17.0322.C9.o1.np	Method	AAT/NAP
Start	2717	End	4273
GI	7433217	Score	1259
Exons	2717..3552, 4166..4273		
GI Descrip.	1-aminocyclopropane-1-carboxylate deaminase (EC 4.1.99.4) - sorghum gi|3386565|gb|AAC28488.1| (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		
Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93766	Strand	-
Start	2723	End	4522
Name	OJ000210_17.0322.C9.o2.gs	Method	GENSCAN
Start	2723	End	4273
GI	none	Score	.52
Exons	2723..2875, 2984..3490, 3505..3552, 4166..4273		
Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93766	Strand	-
Start	2723	End	4522
Name	OJ000210_17.0322.C9.o1.gp	Method	AAT/GAP
Start	2989	End	4522
GI	16101_1.R1084	Score	1249
Exons	2989..3552, 4166..4275, 4364..4395, 4475..4522		
GI Descrip.	'3386565/gb|AAC28488.1| 1.0e-101 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		
Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9

Gene No.	93767	Strand	-
Start	4574	End	5303
Name	OJ000210_17.0322.C9.o1.ts	Method	TBLASTX:Soybean
Start	2738	End	4273
GI	none	Score	64
Exons	2738..2827, 2739..2825, 2861..3409, 2862..3383, 3481..3564, 3487..3558, 3494..3565, 4157..4225, 4235..4273		

Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93767	Strand	-
Start	4574	End	5303
Name	OJ000210_17.0322.C9.o1.tc	Method	TBLASTX:Cress
Start	2741	End	4273
GI	none	Score	267
Exons	2741..2827, 2861..3199, 2862..3200, 3203..3325, 3359..3394, 3484..3564, 4157..4225, 4235..4273		

Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93767	Strand	-
Start	4574	End	5303
Name	OJ000210_17.0322.C9.o1.tw	Method	TBLASTX:Wheat
Start	2920	End	3170
GI	none	Score	149
Exons	2920..2991, 2921..3091, 2921..3169, 2925..3170		

Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93767	Strand	-
Start	4574	End	5303
Name	OJ000210_17.0322.C9.o1.tm	Method	TBLASTX:Maize
Start	2960	End	4282
GI	none	Score	340
Exons	2960..3196, 2961..3197, 3185..3472, 3204..3383, 3458..3565, 3466..3564, 4157..4228, 4164..4205, 4235..4273, 4235..4282		

Seq. No.	44481	Seq. ID	OJ000210_17.0322.C9
Gene No.	93767	Strand	-
Start	4574	End	5303
Name	OJ000210_17.0322.C9.o3.gs	Method	GENSCAN
Start	4574	End	5303
GI	none	Score	.61
Exons	4574..4727, 5271..5303		

Seq. No.	44482	Seq. ID	OJ000210_17.0322.C10
Gene No.	93768	Strand	+
Start	2375	End	2822
Name	OJ000210_17.0322.C10.o1.gp	Method	AAT/GAP
Start	2375	End	2585
GI	16101_1.R1084	Score	403
Exons	2375..2585		
GI Descrip.	'3386565/gb|AAC28488.1| 1.0e-101 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	44482	Seq. ID	OJ000210_17.0322.C10
Gene No.	93768	Strand	+
Start	2375	End	2822
Name	OJ000210_17.0322.C10.o1.gs	Method	GENSCAN
Start	2478	End	2585

GI	none	Score	.68
Exons	2478..2585		

Seq. No.	44482	Seq. ID	OJ000210_17.0322.C10
Gene No.	93768	Strand	+
Start	2375	End	2822
Name	OJ000210_17.0322.C10.o1.np	Method	AAT/NAP
Start	2478	End	2822
GI	7433217	Score	128
Exons	2478..2619, 2755..2822		
GI Descrip.	1-aminocyclopropane-1-carboxylate deaminase (EC 4.1.99.4) - sorghum gi|3386565|gb|AAC28488.1| (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		

Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93769	Strand	+
Start	1	End	622
Name	OJ000210_17.0322.C11.o1.gp	Method	AAT/GAP
Start	1	End	362
GI	16101_1.R1084	Score	709
Exons	1..362		
GI Descrip.	'3386565/gb|AAC28488.1| 1.0e-101 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93769	Strand	+
Start	1	End	622
Name	OJ000210_17.0322.C11.o1.np	Method	AAT/NAP
Start	1	End	622
GI	7433217	Score	867
Exons	1..622		
GI Descrip.	1-aminocyclopropane-1-carboxylate deaminase (EC 4.1.99.4) - sorghum gi|3386565|gb|AAC28488.1| (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		

Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93769	Strand	+
Start	1	End	622
Name	OJ000210_17.0322.C11.o1.gs	Method	GENSCAN
Start	42	End	616
GI	none	Score	.89
Exons	42..295, 304..616		

Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93770	Strand	-
Start	552	End	858
Name	OJ000210_17.0322.C11.o2.gp	Method	AAT/GAP
Start	552	End	858
GI	none	Score	531
Exons	552..858		

Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93771	Strand	-
Start	892	End	2283
Name	OJ000210_17.0322.C11.o1.tm	Method	TBLASTX:Maize
Start	5	End	394
GI	none	Score	199

Exons	5..148, 6..167, 155..277, 156..278, 281..352, 290..394, 295..390		
Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93771	Strand	-
Start	892	End	2283
Name	OJ000210_17.0322.C11.o1.ts	Method	TBLASTX:Soybean
Start	6	End	600
GI	none	Score	335
Exons	6..278, 8..277, 290..493, 298..492, 512..589, 514..600		
Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93771	Strand	-
Start	892	End	2283
Name	OJ000210_17.0322.C11.o1.tc	Method	TBLASTX:Cress
Start	27	End	586
GI	none	Score	87
Exons	27..149, 152..277, 153..278, 290..523, 292..522, 509..586		
Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93771	Strand	-
Start	892	End	2283
Name	OJ000210_17.0322.C11.o1.tw	Method	TBLASTX:Wheat
Start	182	End	430
GI	none	Score	161
Exons	182..277, 183..278, 290..430, 295..426		
Seq. No.	44483	Seq. ID	OJ000210_17.0322.C11
Gene No.	93771	Strand	-
Start	892	End	2283
Name	OJ000210_17.0322.C11.o2.gs	Method	GENSCAN
Start	892	End	2283
GI	none	Score	.45
Exons	892..944, 2152..2283		
Seq. No.	44484	Seq. ID	OJ000210_17.0322.C12
Gene No.	93772	Strand	-
Start	408	End	2305
Name	OJ000210_17.0322.C12.o1.gs	Method	GENSCAN
Start	408	End	2305
GI	none	Score	.71
Exons	408..542, 790..885, 1781..1879, 2084..2305		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93773	Strand	+
Start	1	End	2007
Name	OJ000210_17.0322.C13.o1.np	Method	AAT/NAP
Start	1	End	2007
GI	6850895	Score	496
Exons	1..77, 849..1038, 1261..1331, 1416..2007		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93773	Strand	+
Start	1	End	2007
Name	OJ000210_17.0322.C13.o1.gs	Method	GENSCAN
Start	1483	End	1911
GI	none	Score	.74

Exons	1483..1911		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93774	Strand	+
Start	13832	End	18910
Name	OJ000210_17.0322.C13.o4.gs	Method	GENSCAN
Start	13832	End	18411
GI	none	Score	.62
Exons	13832..14365, 14538..14675, 15809..15871, 15994..16092, 16421..16579, 17115..17186, 17262..17463, 17508..17572, 17711..17786, 17931..18032, 18219..18411		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93774	Strand	+
Start	13832	End	18910
Name	OJ000210_17.0322.C13.o4.gp	Method	AAT/GAP
Start	13995	End	16113
GI	none	Score	960
Exons	13995..14276, 15495..15586, 15809..15871, 15994..16113		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93774	Strand	+
Start	13832	End	18910
Name	OJ000210_17.0322.C13.o4.np	Method	AAT/NAP
Start	14284	End	18910
GI	7020883	Score	268
Exons	14284..14320, 16421..16579, 17115..17186, 17262..17394, 17508..17572, 17720..17786, 17931..18032, 18244..18419, 18888..18910		
GI Descrip.	(AK000651) unnamed protein product [Homo sapiens]		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93774	Strand	+
Start	13832	End	18910
Name	OJ000210_17.0322.C13.o5.gp	Method	AAT/GAP
Start	17130	End	18001
GI	none	Score	712
Exons	17130..17186, 17262..17394, 17508..17572, 17711..17786, 17931..18001		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93775	Strand	-
Start	2914	End	10687
Name	OJ000210_17.0322.C13.o1.gp	Method	AAT/GAP
Start	2497	End	4235
GI	10573_1.R1084	Score	2037
Exons	2497..3015, 3305..3472, 3569..3787, 3873..4016, 4182..4235		
GI Descrip.	'2281115/gb|AAC78267.1|AAC78267 5.0e-82 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93775	Strand	-
Start	2914	End	10687
Name	OJ000210_17.0322.C13.o2.gs	Method	GENSCAN
Start	2914	End	10687
GI	none	Score	.87
Exons	2914..3015, 3305..3472, 3569..3787, 3873..4016, 4182..4406,		

4708..4857, 4950..5036, 5796..5858, 6103..6192, 6386..6463,
6551..6754, 6835..6882, 6958..7143, 8575..8674, 8710..8750,
8817..9009, 9171..9278, 9823..9887, 10128..10265, 10601..10687

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93775	Strand	-
Start	2914	End	10687
Name	OJ000210_17.0322.C13.o2.np	Method	AAT/NAP
Start	2917	End	8947
GI	7484879	Score	2392
Exons	2917..3015, 3305..3472, 3569..3787, 3873..4016, 4182..4463, 4570..4625, 4708..4857, 4950..5036, 5769..5858, 5943..6020, 6100..6192, 6386..6463, 6689..6754, 6958..7143, 8575..8674, 8817..8947		
GI Descrip.	cullin-like protein T10P11.14.1 - Arabidopsis thaliana gi|2281115|gb|AAC78267.1|AAC78267 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana] gi|7269017|emb|CAB80750.1| (AL161494) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93775	Strand	-
Start	2914	End	10687
Name	OJ000210_17.0322.C13.o2.gp	Method	AAT/GAP
Start	4734	End	5997
GI	62845_1.R1084	Score	643
Exons	4734..4857, 4950..5036, 5110..5145, 5796..5858, 5943..5997		
GI Descrip.	'2281115/gb|AAC78267.1|AAC78267 1.0e-39 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93775	Strand	-
Start	2914	End	10687
Name	OJ000210_17.0322.C13.o3.gp	Method	AAT/GAP
Start	6625	End	9085
GI	58661_1.R1084	Score	1382
Exons	6625..6754, 6835..6882, 6958..7143, 8575..8674, 8817..9085		
GI Descrip.	'2281115/gb|AAC78267.1|AAC78267 1.0e-74 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o4.ts	Method	TBLASTX:Soybean
Start	991	End	1551
GI	none	Score	66
Exons	991..1038, 1264..1332, 1414..1551, 1416..1529		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o5.tc	Method	TBLASTX:Cress
Start	1300	End	1737
GI	none	Score	47
Exons	1300..1332, 1302..1334, 1413..1556, 1414..1560, 1669..1737		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13

Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o1.ts	Method	TBLASTX:Soybean
Start	2880	End	8945
GI	none	Score	131
Exons	2880..2912, 2902..3018, 3305..3478, 3306..3473, 3549..3788, 3551..3790, 3553..3795, 3569..3769, 3867..4016, 3872..4000, 3873..4007, 3880..4011, 4177..4380, 4179..4382, 4382..4477, 4382..4465, 4566..4628, 4569..4628, 4705..4848, 4707..4835, 4707..4859, 4757..4858, 4945..5037, 4950..5036, 4963..5037, 5096..5143, 5107..5142, 5788..5874, 5796..5861, 5946..6020, 5947..6024, 6100..6207, 6101..6217, 6386..6433, 6387..6464, 6551..6754, 6551..6754, 6562..6762, 6826..6882, 6949..7128, 6957..7151, 6961..7143, 8561..8677, 8572..8673, 8810..8944, 8823..8945		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o1.tm	Method	TBLASTX:Maize
Start	2893	End	6574
GI	none	Score	131
Exons	2893..3018, 2901..3017, 2947..3021, 3305..3463, 3306..3470, 3306..3461, 3549..3788, 3568..3789, 3569..3769, 3864..4016, 3873..4016, 3874..4017, 4177..4368, 4179..4358, 4179..4382, 4180..4380, 4382..4465, 4382..4465, 4549..4626, 4568..4618, 4569..4628, 4705..4848, 4707..4859, 4707..4868, 4950..5036, 4957..5037, 5096..5146, 5107..5148, 5796..5858, 5796..5858, 5797..5859, 5943..6020, 5944..6024, 6099..6194, 6100..6195, 6100..6222, 6101..6202, 6385..6432, 6386..6433, 6387..6434, 6435..6464, 6551..6574		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o2.tw	Method	TBLASTX:Wheat
Start	2904	End	3617
GI	none	Score	65
Exons	2904..3017, 2913..2969, 2914..3018, 3305..3463, 3305..3478, 3306..3470, 3549..3617, 3569..3613		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o2.tc	Method	TBLASTX:Cress
Start	2914	End	4773
GI	none	Score	131
Exons	2914..3018, 3294..3473, 3305..3478, 3549..3674, 3569..3676, 3704..3769, 3873..4016, 3880..4011, 4177..4380, 4179..4382, 4382..4444, 4567..4626, 4569..4628, 4705..4773, 4705..4773		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o1.tw	Method	TBLASTX:Wheat
Start	3665	End	4374
GI	none	Score	160

Exons	3665..3769, 3666..3788, 3667..3789, 3667..3813, 3864..4016, 3873..4016, 3874..4017, 4177..4368, 4179..4358, 4179..4373, 4180..4374		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o4.tc	Method	TBLASTX:Cress
Start	4935	End	6217
GI	none	Score	95
Exons	4935..5039, 4950..5036, 5799..5861, 5803..5862, 5946..6020, 5947..6024, 6100..6207, 6101..6217		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o1.tc	Method	TBLASTX:Cress
Start	6414	End	8673
GI	none	Score	48
Exons	6414..6461, 6551..6682, 6551..6754, 6666..6752, 6826..6882, 6957..7118, 6957..7121, 6958..7125, 6961..7143, 8572..8673		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o2.tm	Method	TBLASTX:Maize
Start	6574	End	8950
GI	none	Score	194
Exons	6574..6750, 6575..6751, 6575..6754, 6616..6756, 6811..6888, 6826..6882, 6949..7140, 6954..7145, 6961..7143, 8568..8612, 8572..8673, 8573..8677, 8656..8688, 8810..8950, 8815..8889, 8817..8948		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o3.gs	Method	GENSCAN
Start	10865	End	11152
GI	none	Score	.55
Exons	10865..11152		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93776	Strand	-
Start	10865	End	12638
Name	OJ000210_17.0322.C13.o3.np	Method	AAT/NAP
Start	10868	End	12638
GI	5922620	Score	91
Exons	10868..11055, 12616..12638		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93777	Strand	
Start	14182	End	16579

Name	OJ000210_17.0322.C13.o3.ts	Method	TBLASTX:Soybean
Start	14182	End	16579
GI	none	Score	130
Exons	14182..14274, 14183..14275, 15488..15586, 15799..15879, 15806..15892, 15808..15888, 15991..16095, 15993..16100, 15993..16091, 15995..16102, 16406..16579, 16408..16575		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93777	Strand	
Start	14182	End	16579
Name	OJ000210_17.0322.C13.o4.tm	Method	TBLASTX:Maize
Start	14191	End	16521
GI	none	Score	113
Exons	14191..14268, 14192..14275, 15488..15586, 15488..15583, 15495..15584, 15806..15892, 15806..15874, 15808..15888, 15991..16095, 15991..16095, 15992..16102, 15993..16100, 16166..16234, 16400..16519, 16406..16516, 16408..16521		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93778	Strand	
Start	17130	End	18425
Name	OJ000210_17.0322.C13.o2.ts	Method	TBLASTX:Soybean
Start	17130	End	18277
GI	none	Score	97
Exons	17130..17186, 17131..17199, 17134..17199, 17258..17395, 17262..17396, 17506..17547, 17507..17584, 17708..17791, 17929..18030, 17930..18031, 17930..18043, 18218..18277		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93778	Strand	
Start	17130	End	18425
Name	OJ000210_17.0322.C13.o3.tm	Method	TBLASTX:Maize
Start	17306	End	18420
GI	none	Score	153
Exons	17306..17395, 17307..17396, 17507..17584, 17507..17584, 17706..17786, 17708..17791, 17930..18031, 17930..18040, 17934..18032, 18206..18418, 18218..18418, 18222..18419, 18225..18419, 18229..18420		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93778	Strand	
Start	17130	End	18425
Name	OJ000210_17.0322.C13.o3.tc	Method	TBLASTX:Cress
Start	17944	End	18418
GI	none	Score	123
Exons	17944..18030, 17945..18031, 18206..18418, 18218..18400, 18298..18417		

Seq. No.	44485	Seq. ID	OJ000210_17.0322.C13
Gene No.	93778	Strand	
Start	17130	End	18425
Name	OJ000210_17.0322.C13.o5.ts	Method	TBLASTX:Soybean
Start	18286	End	18425
GI	none	Score	209
Exons	18286..18393, 18287..18418, 18294..18425		

Seq. No.	44486	Seq. ID	OJ000210_17.0322.C14

Gene No.	93779	Strand	+
Start	1719	End	2190
Name	OJ000210_17.0322.C14.o1.gs	Method	GENSCAN
Start	1719	End	2190
GI	none	Score	.54
Exons	1719..1791, 2122..2190		

Seq. No.	44486	Seq. ID	OJ000210_17.0322.C14
Gene No.	93780	Strand	-
Start	1	End	431
Name	OJ000210_17.0322.C14.o1.gp	Method	AAT/GAP
Start	1	End	431
GI	3071_1.R1084	Score	831
Exons	1..431		
GI Descrip.	'3386565/gb|AAC28488.1| 2.0e-15 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93781	Strand	+
Start	292	End	6356
Name	OJ000210_17.0322.C15.o1.gs	Method	GENSCAN
Start	292	End	6356
GI	none	Score	.8
Exons	292..429, 769..884, 1106..1190, 1741..1800, 2437..2526, 3317..3517, 3590..3634, 3906..4214, 4353..4582, 4979..5215, 5220..5409, 5805..6356		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93781	Strand	+
Start	292	End	6356
Name	OJ000210_17.0322.C15.o2.np	Method	AAT/NAP
Start	3350	End	5216
GI	3928093	Score	845
Exons	3350..3517, 3590..3634, 3906..3999, 4069..4214, 4353..4582, 4979..5039, 5133..5216		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o2.ts	Method	TBLASTX:Soybean
Start	804	End	3616
GI	none	Score	112
Exons	804..884, 805..888, 1103..1168, 1104..1190, 2434..2484, 2438..2485, 2852..2929, 2853..2930, 3189..3254, 3190..3249, 3190..3270, 3307..3513, 3314..3517, 3314..3445, 3315..3512, 3316..3513, 3569..3616		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o2.tc	Method	TBLASTX:Cress
Start	3217	End	3634
GI	none	Score	41
Exons	3217..3249, 3309..3362, 3314..3517, 3319..3528, 3569..3634		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15

Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o1.tm	Method	TBLASTX:Maize
Start	3596	End	4507
GI	none	Score	70
Exons	3596..3634, 3904..3999, 3905..4000, 3927..4025, 4067..4219, 4068..4214, 4328..4507, 4350..4505, 4351..4506		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o1.ts	Method	TBLASTX:Soybean
Start	4071	End	4562
GI	none	Score	176
Exons	4071..4214, 4072..4215, 4085..4219, 4329..4562, 4342..4533, 4343..4561		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o1.tc	Method	TBLASTX:Cress
Start	4356	End	5059
GI	none	Score	259
Exons	4356..4583, 4358..4561, 4973..5059, 4977..5039		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o3.ts	Method	TBLASTX:Soybean
Start	5852	End	6208
GI	none	Score	121
Exons	5852..5983, 5868..5978, 5870..5983, 6062..6208, 6135..6194		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o2.tm	Method	TBLASTX:Maize
Start	5855	End	6209
GI	none	Score	125
Exons	5855..5983, 5856..5978, 6029..6136, 6050..6208, 6135..6209		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o3.tc	Method	TBLASTX:Cress
Start	5864	End	6214
GI	none	Score	65
Exons	5864..5980, 5868..5978, 6050..6214		

Seq. No.	44487	Seq. ID	OJ000210_17.0322.C15
Gene No.	93782	Strand	-
Start	5867	End	6214
Name	OJ000210_17.0322.C15.o3.np	Method	AAT/NAP
Start	5867	End	6208
GI	7430862	Score	230
Exons	5867..5996, 6033..6208		
GI Descrip.	probable glutaredoxin - Arabidopsis thaliana		

gi|2244926|emb|CAB10348.1| (Z97339) glutaredoxin homolog [Arabidopsis thaliana] gi|7268318|emb|CAB78612.1| (AL161542) glutaredoxin homolog [Arabidopsis thaliana]

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93783	Strand	+
Start	3121	End	3900
Name	OJ000210_17.0322.C16.o2.gs	Method	GENSCAN
Start	3121	End	3900
GI	none	Score	.9
Exons	3121..3123, 3351..3553, 3798..3900		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93784	Strand	+
Start	5585	End	6805
Name	OJ000210_17.0322.C16.o3.gs	Method	GENSCAN
Start	5585	End	6805
GI	none	Score	.89
Exons	5585..6805		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93785	Strand	-
Start	151	End	2280
Name	OJ000210_17.0322.C16.o1.gp	Method	AAT/GAP
Start	151	End	2236
GI	uC-osroM202001e06b1	Score	741
Exons	151..238, 577..623, 1025..1091, 2020..2236		
GI Descrip.	'3157934 5.0e-53 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93785	Strand	-
Start	151	End	2280
Name	OJ000210_17.0322.C16.o1.np	Method	AAT/NAP
Start	151	End	2280
GI	3157934	Score	380
Exons	151..238, 577..623, 1025..1091, 2020..2280		
GI Descrip.	(AC002131) Similar to hypothetical protein F09E5.8 gb|U37429 from C. elegans. ESTs gb|T42019 and gb|N97000 come from this gene. [Arabidopsis thaliana]		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93785	Strand	-
Start	151	End	2280
Name	OJ000210_17.0322.C16.o1.gs	Method	GENSCAN
Start	151	End	2241
GI	none	Score	.59
Exons	151..238, 577..623, 1025..1091, 1894..2241		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93786	Strand	-
Start	2406	End	2686
Name	OJ000210_17.0322.C16.o1.tm	Method	TBLASTX:Maize
Start	150	End	2149
GI	none	Score	144
Exons	150..239, 152..241, 153..239, 562..624, 577..624, 1026..1094,		

1032..1097, 2017..2148, 2027..2149

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93786	Strand	-
Start	2406	End	2686
Name	OJ000210_17.0322.C16.o1.tc	Method	TBLASTX:Cress
Start	1026	End	2149
GI	none	Score	63
Exons	1026..1094, 1060..1095, 2017..2148, 2027..2149		

Seq. No.	44488	Seq. ID	OJ000210_17.0322.C16
Gene No.	93786	Strand	-
Start	2406	End	2686
Name	OJ000210_17.0322.C16.o2.gp	Method	AAT/GAP
Start	2406	End	2686
GI	LIB3434-035-P1-K1-A7	Score	452
Exons	2406..2686		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	44489	Seq. ID	OJ000210_17.0322.C18
Gene No.	93787	Strand	+
Start	336	End	515
Name	OJ000210_17.0322.C18.o1.gp	Method	AAT/GAP
Start	336	End	515
GI	none	Score	300
Exons	336..515		

Seq. No.	44489	Seq. ID	OJ000210_17.0322.C18
Gene No.	93788	Strand	-
Start	516	End	839
Name	OJ000210_17.0322.C18.o1.gs	Method	GENSCAN
Start	516	End	839
GI	none	Score	.95
Exons	516..839		

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93789	Strand	+
Start	1	End	14258
Name	OJ000210_17.0322.C19.o1.np	Method	AAT/NAP
Start	1	End	14258
GI	5739524	Score	365
Exons	1..89, 4374..4608, 4687..4800, 5042..5252, 6402..6531, 6719..6775, 7300..7380, 7770..7842, 14230..14258		
GI Descrip.	Werner syndrome gi|6136393|sp|Q14191|WRN_HUMAN WERNER SYNDROME HELICASE gi|1280208|gb|AAC41981.1| (L76937) Homo sapiens Werner syndrome gene, complete cds gi|3719421|gb|AAC63361.1| (AF091214) WRN [Homo sapiens] gi|6272686|gb|AAF06162.1| (AF181897) WRN [Homo sapiens]		

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93789	Strand	+
Start	1	End	14258
Name	OJ000210_17.0322.C19.o2.gs	Method	GENSCAN
Start	3673	End	10586
GI	none	Score	.85
Exons	3673..4276, 4527..4608, 4687..4797, 5012..5201, 5748..6051,		

6332..6531, 6719..6775, 7300..7380, 7770..7833, 8308..8407, 8870..8957, 9443..9535, 10278..10586

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93790	Strand	-
Start	657	End	3278
Name	OJ000210_17.0322.C19.o1.gs	Method	GENSCAN
Start	657	End	3278
GI	none	Score	.53
Exons	657..779, 918..961, 2948..3278		

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93790	Strand	-
Start	657	End	3278
Name	OJ000210_17.0322.C19.o1.gp	Method	AAT/GAP
Start	693	End	986
GI	uC-osflcyp096c01b1	Score	250
Exons	693..779, 918..986		
GI Descrip.	'3168840 4.0e-10 (U88711) copper homeostasis factor [Arabidopsis thaliana]'		

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93791	Strand	-
Start	11186	End	12350
Name	OJ000210_17.0322.C19.o1.tm	Method	TBLASTX:Maize
Start	10277	End	10583
GI	none	Score	220
Exons	10277..10474, 10278..10475, 10279..10518, 10359..10517, 10529..10573, 10530..10583		

Seq. No.	44490	Seq. ID	OJ000210_17.0322.C19
Gene No.	93791	Strand	-
Start	11186	End	12350
Name	OJ000210_17.0322.C19.o3.gs	Method	GENSCAN
Start	11186	End	12350
GI	none	Score	.88
Exons	11186..11271, 12344..12350		

Seq. No.	44491	Seq. ID	OJ000210_17.0322.C20
Gene No.	93792	Strand	+
Start	3089	End	6875
Name	OJ000210_17.0322.C20.o1.gs	Method	GENSCAN
Start	3089	End	6875
GI	none	Score	.77
Exons	3089..3588, 6824..6875		

Seq. No.	44491	Seq. ID	OJ000210_17.0322.C20
Gene No.	93792	Strand	+
Start	3089	End	6875
Name	OJ000210_17.0322.C20.o1.np	Method	AAT/NAP
Start	3124	End	3588
GI	2352492	Score	408
Exons	3124..3588		
GI Descrip.	(AF005047) transport inhibitor response 1 [Arabidopsis thaliana] gi|2352494|gb|AAB69176.1| (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]		

Seq. No.	44491	Seq. ID	OJ000210_17.0322.C20
Gene No.	93792	Strand	+
Start	3089	End	6875
Name	OJ000210_17.0322.C20.o1.tc	Method	TBLASTX:Cress
Start	3143	End	3609
GI	none	Score	51
Exons	3143..3184, 3269..3376, 3313..3375, 3440..3589, 3451..3609		

Seq. No.	44491	Seq. ID	OJ000210_17.0322.C20
Gene No.	93792	Strand	+
Start	3089	End	6875
Name	OJ000210_17.0322.C20.o1.tm	Method	TBLASTX:Maize
Start	3167	End	3609
GI	none	Score	142
Exons	3167..3376, 3304..3375, 3440..3589, 3460..3609		

Seq. No.	44491	Seq. ID	OJ000210_17.0322.C20
Gene No.	93792	Strand	+
Start	3089	End	6875
Name	OJ000210_17.0322.C20.o1.ts	Method	TBLASTX:Soybean
Start	3275	End	3591
GI	none	Score	113
Exons	3275..3376, 3440..3589, 3451..3591		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93793	Strand	+
Start	1	End	852
Name	OJ000210_17.0322.C21.o1.np	Method	AAT/NAP
Start	1	End	852
GI	2352492	Score	819
Exons	1..852		
GI Descrip.	(AF005047) transport inhibitor response 1 [Arabidopsis thaliana] gi|2352494|gb|AAB69176.1| (AF005048) transport inhibitor response 1 [Arabidopsis thaliana]		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93793	Strand	+
Start	1	End	852
Name	OJ000210_17.0322.C21.o1.gs	Method	GENSCAN
Start	36	End	803
GI	none	Score	.75
Exons	36..803		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93794	Strand	+
Start	5603	End	11314
Name	OJ000210_17.0322.C21.o2.np	Method	AAT/NAP
Start	5603	End	11314
GI	4432839	Score	610
Exons	5603..5848, 7066..7286, 7540..7881, 8444..8709, 11295..11314		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93794	Strand	+
Start	5603	End	11314
Name	OJ000210_17.0322.C21.o3.gs	Method	GENSCAN
Start	5603	End	8846

GI	none	Score	.94
Exons	5603..5848, 7066..7159, 7531..8846		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93795	Strand	-
Start	4446	End	5156
Name	OJ000210_17.0322.C21.o2:gs	Method	GENSCAN
Start	4446	End	5156
GI	none	Score	.56
Exons	4446..4647, 4714..4920, 5029..5156		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o1.tc	Method	TBLASTX:Cress
Start	32	End	791
GI	none	Score	110
Exons	32..124, 33..125, 95..688, 137..676, 138..689, 705..791		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o2.tm	Method	TBLASTX:Maize
Start	33	End	796
GI	none	Score	104
Exons	33..134, 114..605, 125..682, 126..782, 740..796		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o2.ts	Method	TBLASTX:Soybean
Start	33	End	791
GI	none	Score	113
Exons	33..128, 35..130, 138..683, 140..682, 708..791		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o4.ts	Method	TBLASTX:Soybean
Start	5537	End	7200
GI	none	Score	79
Exons	5537..5776, 5598..5759, 5600..5662, 5602..5850, 5603..5848, 7065..7139, 7066..7140, 7078..7200		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o5.tc	Method	TBLASTX:Cress
Start	5567	End	8699
GI	none	Score	379
Exons	5567..5848, 5572..5850, 5600..5734, 7065..7211, 7066..7212, 7078..7200, 7199..7285, 8598..8699		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o4.tm	Method	TBLASTX:Maize

Start	5596	End	7285
GI	none	Score	342
Exons	5596..5832, 5597..5833, 5600..5734, 7065..7211, 7066..7212, 7078..7200, 7199..7285		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o5.tm	Method	TBLASTX:Maize
Start	7935	End	8584
GI	none	Score	244
Exons	7935..8288, 7939..8172, 7941..8195, 8516..8584		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o4.gs	Method	GENSCAN
Start	9818	End	15151
GI	none	Score	.86
Exons	9818..9838, 9941..10045, 10182..10388, 10467..10645, 10821..10986, 11146..11204, 11289..11334, 11594..11663, 11767..11856, 11953..12092, 12174..12205, 12830..12923, 13024..13111, 13190..13410, 13643..13716, 13803..14085, 14170..14304, 14460..14681, 14759..14938, 15068..15151		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o3.np	Method	AAT/NAP
Start	9959	End	15153
GI	6437558	Score	3367
Exons	9959..10050, 10178..10388, 10467..10645, 10821..10986, 11146..11197, 11285..11343, 11594..11663, 11767..11856, 11953..12035, 12174..12205, 12559..12747, 12824..12923, 13024..13111, 13190..13410, 13643..13716, 13803..14085, 14170..14304, 14460..14681, 14759..14938, 15068..15153		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o3.ts	Method	TBLASTX:Soybean
Start	10168	End	10989
GI	none	Score	207
Exons	10168..10398, 10170..10388, 10461..10646, 10461..10652, 10462..10647, 10822..10989, 10823..10987		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o3.tc	Method	TBLASTX:Cress
Start	10170	End	10613
GI	none	Score	36
Exons	10170..10280, 10180..10269, 10263..10388, 10267..10398, 10461..10613, 10461..10613		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21

Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o3.tm	Method	TBLASTX:Maize
Start	10179	End	11663
GI	none	Score	233
Exons	10179..10388, 10180..10398, 10461..10646, 10461..10652, 10465..10647, 10822..10989, 10826..10987, 10828..10989, 11594..11662, 11598..11663		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o7.tc	Method	TBLASTX:Cress
Start	10837	End	10989
GI	none	Score	173
Exons	10837..10989, 10841..10987, 10843..10989		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o1.ts	Method	TBLASTX:Soybean
Start	11594	End	15152
GI	none	Score	81
Exons	11594..11662, 11607..11663, 11766..11819, 11790..11858, 11958..12035, 12556..12741, 12557..12742, 12557..12745, 12591..12746, 12830..12925, 12831..12935, 12832..12933, 13024..13110, 13025..13111, 13026..13112, 13026..13115, 13187..13414, 13189..13425, 13612..13713, 13635..13718, 13637..13717, 13796..14086, 13800..14087, 13801..14088, 13801..14088, 14167..14310, 14169..14306, 14170..14310, 14430..14684, 14466..14678, 14758..14898, 14759..14950, 14760..14903, 15062..15151, 15063..15152		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o6.tc	Method	TBLASTX:Cress
Start	11594	End	12035
GI	none	Score	84
Exons	11594..11662, 11607..11663, 11608..11664, 11763..11855, 11766..11858, 11773..11859, 11958..12035, 11960..12034		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o1.tm	Method	TBLASTX:Maize
Start	11776	End	15152
GI	none	Score	124
Exons	11776..11862, 11776..11847, 11777..11854, 11778..11858, 11934..11972, 11958..12035, 11970..12035, 12557..12745, 12560..12748, 12562..12750, 12824..12913, 12828..12926, 12831..12935, 12832..12933, 13024..13110, 13025..13111, 13026..13112, 13186..13413, 13187..13414, 13189..13425, 13629..13718, 13637..13717, 13642..13728, 13645..13719, 13787..14032, 13788..13997, 13796..14086, 13801..14088, 13801..14088, 14165..14260, 14167..14310, 14169..14306, 14169..14384, 14170..14310, 14204..14311, 14430..14684,		

14466..14681, 14533..14682, 14758..14937, 14759..14938,
14763..14915, 14764..14949, 15062..15151, 15068..15151,
15069..15152

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o2.tc	Method	TBLASTX:Cress
Start	12693	End	13824
GI	none	Score	60
Exons	12693..12746, 12695..12745, 12697..12747, 12827..12925, 12828..12917, 12831..12935, 12832..12933, 13024..13110, 13025..13111, 13029..13115, 13187..13411, 13189..13425, 13629..13718, 13637..13717, 13801..13824		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o4.tc	Method	TBLASTX:Cress
Start	13825	End	14053
GI	none	Score	204
Exons	13825..14049, 13825..14052, 13850..14053		

Seq. No.	44492	Seq. ID	OJ000210_17.0322.C21
Gene No.	93796	Strand	-
Start	9818	End	15153
Name	OJ000210_17.0322.C21.o8.tc	Method	TBLASTX:Cress
Start	14065	End	14600
GI	none	Score	38
Exons	14065..14088, 14167..14286, 14204..14281, 14466..14600		

Seq. No.	44493	Seq. ID	OJ000210_17.0322.C22
Gene No.	93797	Strand	+
Start	713	End	835
Name	OJ000210_17.0322.C22.o1.gs	Method	GENSCAN
Start	713	End	835
GI	none	Score	.92
Exons	713..835		

Seq. No.	44493	Seq. ID	OJ000210_17.0322.C22
Gene No.	93798	Strand	-
Start	1	End	3225
Name	OJ000210_17.0322.C22.o1.np	Method	AAT/NAP
Start	1	End	3225
GI	6437558	Score	343
Exons	1..20, 2136..2248, 2845..2948, 3094..3225		
GI Descrip.	(AC011623) putative ATPase (ISW2-like) [Arabidopsis thaliana]		

Seq. No.	44494	Seq. ID	OJ000210_17.0322.C23
Gene No.	93799	Strand	-
Start	32	End	221
Name	OJ000210_17.0322.C23.o1.gs	Method	GENSCAN
Start	32	End	221
GI	none	Score	.87
Exons	32..221		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26

Gene No.	93800	Strand	+
Start	4590	End	5922
Name	OJ000210_17.0322.C26.o4.np	Method	AAT/NAP
Start	4590	End	5922
GI	7340926	Score	41
Exons	4590..4692, 5810..5922		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.gp	Method	AAT/GAP
Start	1	End	485
GI	4700_2.R1084	Score	635
Exons	1..242, 327..485		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o2.np	Method	AAT/NAP
Start	1	End	2192
GI	6523547	Score	160
Exons	1..163, 298..793, 2123..2192		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.np	Method	AAT/NAP
Start	1	End	419
GI	4103987	Score	258
Exons	1..242, 327..419		
GI Descrip.	(AF030516) 5,10-methylenetetrahydrofolate dehydrogenase-5,10-methenyltetrahydrofolate cyclohydrolase [Pisum sativum] gi|6002383|emb|CAB56756.1| (AJ011589) 5,10-methylenetetrahydrofolate dehydrogenase: 5,10-methenyltetrahydrofolate cyclohydrolase [Pisum sativum]		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.tc	Method	TBLASTX:Cress
Start	54	End	416
GI	none	Score	120
Exons	54..245, 154..243, 324..416		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.tm	Method	TBLASTX:Maize
Start	54	End	420
GI	none	Score	176
Exons	54..242, 55..243, 324..419, 325..420		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.ts	Method	TBLASTX:Soybean
Start	54	End	431
GI	none	Score	111
Exons	54..245, 154..243, 324..431		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o1.gs	Method	GENSCAN
Start	59	End	6597
GI	none	Score	.62
Exons	59..278, 327..625, 681..865, 1577..1673, 6552..6597		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o3.np	Method	AAT/NAP
Start	1496	End	1807
GI	2130154	Score	236
Exons	1496..1807		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi|902268|emb|CAA60333| (X86563) ORF241 [Zea mays] gi|902303|emb|CAA60367| (X86563) ORF241 [Zea mays]		

Seq. No.	44495	Seq. ID	OJ000210_17.0322.C26
Gene No.	93801	Strand	-
Start	1	End	6597
Name	OJ000210_17.0322.C26.o2.tc	Method	TBLASTX:Cress
Start	1590	End	1837
GI	none	Score	64
Exons	1590..1673, 1601..1663, 1601..1681, 1605..1685, 1666..1752, 1667..1753, 1667..1768, 1668..1763, 1748..1837, 1750..1827		

Seq. No.	44496	Seq. ID	OJ000210_17.0322.C27
Gene No.	93802	Strand	+
Start	245	End	450
Name	OJ000210_17.0322.C27.o2.gp	Method	AAT/GAP
Start	245	End	450
GI	none	Score	342
Exons	245..450		

Seq. No.	44496	Seq. ID	OJ000210_17.0322.C27
Gene No.	93803	Strand	-
Start	1	End	341
Name	OJ000210_17.0322.C27.o1.gp	Method	AAT/GAP
Start	1	End	260
GI	none	Score	458
Exons	1..260		

Seq. No.	44496	Seq. ID	OJ000210_17.0322.C27
Gene No.	93803	Strand	-
Start	1	End	341
Name	OJ000210_17.0322.C27.o1.gs	Method	GENSCAN
Start	26	End	341

GI	none	Score	.51
Exons	26..73, 272..341		

Seq. No.	44497	Seq. ID	OJ000210_17.0322.C28
Gene No.	93804	Strand	-
Start	1	End	220
Name	OJ000210_17.0322.C28.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	uC-osroM202001e06a1	Score	440
Exons	1..220		
GI Descrip.	'3157934 2.0e-24 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	44498	Seq. ID	OJ000350_04.0310.C2
Gene No.	93805	Strand	-
Start	322	End	721
Name	OJ000350_04.0310.C2.o1.gs	Method	GENSCAN
Start	322	End	721
GI	none	Score	.84
Exons	322..344, 399..549, 620..721		

Seq. No.	44499	Seq. ID	OJ000350_04.0310.C3
Gene No.	93806	Strand	+
Start	260	End	1333
Name	OJ000350_04.0310.C3.o1.gs	Method	GENSCAN
Start	260	End	1333
GI	none	Score	.58
Exons	260..1333		

Seq. No.	44499	Seq. ID	OJ000350_04.0310.C3
Gene No.	93807	Strand	-
Start	2600	End	2708
Name	OJ000350_04.0310.C3.o2.gs	Method	GENSCAN
Start	2600	End	2708
GI	none	Score	.49
Exons	2600..2708		

Seq. No.	44500	Seq. ID	OJ000350_04.0310.C4
Gene No.	93808	Strand	+
Start	2141	End	2316
Name	OJ000350_04.0310.C4.o1.gs	Method	GENSCAN
Start	2141	End	2316
GI	none	Score	.93
Exons	2141..2316		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93809	Strand	+
Start	4578	End	8423
Name	OJ000350_04.0310.C5.o2.gs	Method	GENSCAN
Start	4578	End	8414
GI	none	Score	.81
Exons	4578..4611, 6137..6411, 6475..6651, 7257..7443, 7556..7604, 7811..7964, 8107..8211, 8298..8414		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93809	Strand	+

Start	4578	End	8423
Name	OJ000350_04.0310.C5.o2.np	Method	AAT/NAP
Start	6214	End	8423
GI	7447111	Score	860
Exons	6214..6427, 6504..6651, 6984..7126, 7257..7550, 7811..7964, 8298..8423		
GI Descrip.	glutamyl aminopeptidase homolog F4I10.20 - Arabidopsis thaliana gi|4455323|emb|CAB36783.1| (AL035525) aminopeptidase-like protein [Arabidopsis thaliana] gi|7270256|emb|CAB80026.1| (AL161582) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93810	Strand	-
Start	2453	End	2926
Name	OJ000350_04.0310.C5.o1.gs	Method	GENSCAN
Start	2453	End	2926
GI	none	Score	.8
Exons	2453..2926		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93811	Strand	
Start	6220	End	7295
Name	OJ000350_04.0310.C5.o1.tc	Method	TBLASTX:Cress
Start	6220	End	7102
GI	none	Score	209
Exons	6220..6408, 6503..6649, 7021..7101, 7022..7102		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93811	Strand	
Start	6220	End	7295
Name	OJ000350_04.0310.C5.o2.ts	Method	TBLASTX:Soybean
Start	6220	End	7295
GI	none	Score	169
Exons	6220..6408, 6509..6649, 7018..7134, 7022..7126, 7045..7134, 7254..7295		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93811	Strand	
Start	6220	End	7295
Name	OJ000350_04.0310.C5.o2.tm	Method	TBLASTX:Maize
Start	6220	End	6649
GI	none	Score	222
Exons	6220..6408, 6503..6649, 6542..6649		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93812	Strand	
Start	7296	End	7464
Name	OJ000350_04.0310.C5.o4.tm	Method	TBLASTX:Maize
Start	7296	End	7464
GI	none	Score	199
Exons	7296..7445, 7298..7447, 7363..7464		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93813	Strand	
Start	7572	End	8417
Name	OJ000350_04.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	7572	End	8127

GI	none	Score	81
Exons	7572..7667, 7573..7668, 7574..7672, 7574..7672, 7784..7975, 7791..7973, 8107..8127		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93813	Strand	
Start	7572	End	8417
Name	OJ000350_04.0310.C5.o2.tc	Method	TBLASTX:Cress
Start	7797	End	8417
GI	none	Score	212
Exons	7797..7961, 7806..7967, 7814..7972, 8105..8212, 8106..8237, 8110..8214, 8298..8417, 8306..8416		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93813	Strand	
Start	7572	End	8417
Name	OJ000350_04.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	7890	End	8417
GI	none	Score	88
Exons	7890..7967, 8106..8213, 8106..8237, 8110..8214, 8298..8417, 8306..8416		

Seq. No.	44501	Seq. ID	OJ000350_04.0310.C5
Gene No.	93813	Strand	
Start	7572	End	8417
Name	OJ000350_04.0310.C5.o3.tm	Method	TBLASTX:Maize
Start	8127	End	8417
GI	none	Score	179
Exons	8127..8213, 8128..8214, 8128..8229, 8298..8417, 8306..8416		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o1.np	Method	AAT/NAP
Start	1	End	3818
GI	7447111	Score	746
Exons	1..120, 559..751, 1149..1434, 1532..1653, 1743..1840, 1976..2153, 2295..2409, 2502..2574, 2655..2768, 3725..3818		
GI Descrip.	glutamyl aminopeptidase homolog F4I10.20 - Arabidopsis thaliana gi|4455323|emb|CAB36783.1| (AL035525) aminopeptidase-like protein [Arabidopsis thaliana] gi|7270256|emb|CAB80026.1| (AL161582) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	535	End	2152
GI	none	Score	229
Exons	535..726, 536..751, 578..751, 1154..1237, 1164..1262, 1293..1436, 1298..1438, 1531..1656, 1965..2150, 1979..2152		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	553	End	3796

GI	none	Score	296
Exons	553..750, 563..751, 563..751, 1133..1342, 1164..1268, 1281..1436, 1288..1440, 1316..1438, 1524..1658, 1531..1662, 1535..1663, 1716..1832, 1742..1843, 1973..2152, 1977..2153, 1978..2169, 1980..2153, 1981..2154, 2241..2411, 2292..2408, 2293..2412, 2294..2413, 2488..2571, 2511..2597, 2522..2572, 2690..2770, 2691..2768, 3719..3796		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o1.gs	Method	GENSCAN
Start	569	End	2768
GI	none	Score	.82
Exons	569..751, 1149..1434, 1532..1653, 1743..1840, 1976..2153, 2295..2409, 2502..2569, 2691..2768		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o2.tc	Method	TBLASTX:Cress
Start	686	End	1438
GI	none	Score	71
Exons	686..751, 1145..1246, 1164..1256, 1304..1438, 1317..1436		

Seq. No.	44502	Seq. ID	OJ000350_04.0310.C6
Gene No.	93814	Strand	+
Start	1	End	3818
Name	OJ000350_04.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	1573	End	2413
GI	none	Score	66
Exons	1573..1683, 1965..2153, 1976..2149, 2292..2411, 2294..2413		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93815	Strand	+
Start	3519	End	3736
Name	OJ000350_04.0310.C8.o3.gp	Method	AAT/GAP
Start	3519	End	3736
GI	none	Score	381
Exons	3519..3736		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93816	Strand	+
Start	4886	End	7669
Name	OJ000350_04.0310.C8.o2.gs	Method	GENSCAN
Start	4886	End	7669
GI	none	Score	.77
Exons	4886..5053, 5179..5244, 5868..5934, 6018..6118, 6639..6944, 7038..7140, 7611..7669		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93816	Strand	+
Start	4886	End	7669
Name	OJ000350_04.0310.C8.o2.np	Method	AAT/NAP
Start	4925	End	7207
GI	7485012	Score	470
Exons	4925..5053, 5807..5934, 6018..6118, 6515..6559, 6639..6677,		

	6729..6944, 7038..7207		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244756|emb|CAB10179.1| (Z97335) hypothetical protein [Arabidopsis thaliana] gi|7268104|emb|CAB78442.1| (AL161537) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93817	Strand	+
Start	8433	End	8603
Name	OJ000350_04.0310.C8.o4.gp	Method	AAT/GAP
Start	8433	End	8603
GI	none	Score	322
Exons	8433..8603		
Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o1.gp	Method	AAT/GAP
Start	320	End	1034
GI	28387_1.R1084	Score	1134
Exons	320..839, 935..1034		
GI Descrip.	'5123545/emb|CAB45311.1| 2.0e-33 (AL079344) arginine methyltransferase (pam1) [Arabidopsis thaliana]'		
Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	465	End	3738
GI	none	Score	53
Exons	465..509, 467..502, 619..840, 633..842, 635..841, 867..1028, 924..1046, 1029..1085, 1031..1096, 1031..1093, 1178..1291, 1179..1298, 1180..1299, 1427..1498, 1428..1514, 1468..1515, 1468..1518, 1592..1789, 1649..1768, 1656..1799, 1656..1829, 1897..1959, 1901..1960, 1903..1959, 2464..2631, 2464..2625, 3440..3484, 3442..3492, 3586..3675, 3706..3738		
Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	631	End	3489
GI	none	Score	208
Exons	631..840, 638..841, 867..1028, 934..1029, 1029..1085, 1031..1093, 1178..1291, 1193..1291, 1197..1322, 1428..1511, 1468..1512, 1653..1829, 1654..1731, 1656..1826, 1884..1958, 1897..1959, 1897..1959, 2464..2625, 2465..2623, 3442..3489		
Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	631	End	1723
GI	none	Score	203
Exons	631..840, 638..841, 639..845, 867..1028, 934..1029, 1029..1085, 1029..1085, 1031..1093, 1052..1096, 1178..1291, 1178..1291, 1182..1298, 1428..1511, 1653..1721, 1653..1721, 1654..1722,		

1655..1723

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o1.gs	Method	GENSCAN
Start	634	End	3672
GI	none	Score	.93
Exons	634..839, 935..1028, 1178..1293, 1427..1514, 1656..1798, 1896..1959, 2467..2622, 2792..2802, 3444..3672		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o1.np	Method	AAT/NAP
Start	637	End	3666
GI	7488282	Score	1256
Exons	637..839, 935..1084, 1178..1293, 1427..1514, 1656..1798, 1896..1959, 2467..2622, 3433..3666		
GI Descrip.	protein-arginine N-methyltransferase (EC 2.1.1.23) - Arabidopsis thaliana gi|5123545|emb|CAB45311.1| (AL079344) arginine methyltransferase (pam1) [Arabidopsis thaliana] gi|7269850|emb|CAB79709.1| (AL161575) arginine methyltransferase (pam1) [Arabidopsis thaliana]		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o2.gp	Method	AAT/GAP
Start	1691	End	1964
GI	LIB3434-038-P1-K1-B10	Score	270
Exons	1691..1798, 1896..1964		
GI Descrip.	'3687250 4.0e-38 (AC005169) putative arginine n-methyltransferase [Arabidopsis thaliana]'		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93818	Strand	-
Start	320	End	3738
Name	OJ000350_04.0310.C8.o3.ts	Method	TBLASTX:Soybean
Start	1734	End	3489
GI	none	Score	59
Exons	1734..1829, 1897..1959, 1898..1957, 2462..2590, 2464..2625, 2465..2623, 3442..3489		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93819	Strand	
Start	5169	End	7750
Name	OJ000350_04.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	5169	End	7742
GI	none	Score	92
Exons	5169..5243, 5176..5253, 5219..5314, 5859..5936, 5867..5935, 6013..6120, 6017..6121, 6017..6124, 6506..6655, 6513..6560, 6514..6633, 6636..6944, 6636..6944, 7022..7138, 7035..7142, 7035..7139, 7037..7141, 7609..7740, 7610..7741, 7614..7742		

Seq. No.	44503	Seq. ID	OJ000350_04.0310.C8
Gene No.	93819	Strand	

Start	5169	End	7750
Name	OJ000350_04.0310.C8.o2.ts	Method	TBLASTX:Soybean
Start	5856	End	7750
GI	none	Score	96
Exons	5856..5936, 5861..5935, 6013..6120, 6017..6121, 6506..6631, 6514..6555, 6636..6752, 6638..6730, 6759..6803, 6864..6956, 6866..6943, 7035..7163, 7035..7142, 7037..7159, 7609..7692, 7610..7750		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93820	Strand	+
Start	1	End	287
Name	OJ000350_04.0310.C9.o1.gp	Method	AAT/GAP
Start	1	End	287
GI	none	Score	449
Exons	1..287		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93821	Strand	+
Start	5088	End	5260
Name	OJ000350_04.0310.C9.o3.gp	Method	AAT/GAP
Start	5088	End	5260
GI	LIB3433-026-P1-K1-C1	Score	233
Exons	5088..5260		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93822	Strand	+
Start	5243	End	17958
Name	OJ000350_04.0310.C9.o1.np	Method	AAT/NAP
Start	5243	End	17102
GI	7228457	Score	2715
Exons	5243..5263, 6668..6796, 7090..7874, 9836..9886, 12926..13926, 13981..15627, 15694..17102		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93822	Strand	+
Start	5243	End	17958
Name	OJ000350_04.0310.C9.o4.gs	Method	GENSCAN
Start	13183	End	17958
GI	none	Score	.48
Exons	13183..14016, 14104..14903, 15261..15879, 15961..16201, 16280..16689, 16858..17052, 17697..17804, 17809..17958		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93823	Strand	+
Start	22308	End	23958
Name	OJ000350_04.0310.C9.o4.np	Method	AAT/NAP
Start	22308	End	23958
GI	7523517	Score	301
Exons	22308..22617, 22674..22796, 23915..23958		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93824	Strand	-
Start	137	End	496
Name	OJ000350_04.0310.C9.o2.gp	Method	AAT/GAP
Start	137	End	496
GI	none	Score	672
Exons	137..496		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93825	Strand	-
Start	8506	End	11448
Name	OJ000350_04.0310.C9.o3.gs	Method	GENSCAN
Start	8506	End	11448
GI	none	Score	.89
Exons	8506..8954, 9027..9131, 9204..9393, 9470..9657, 9777..10108, 10191..10366, 10564..11448		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93826	Strand	-
Start	12752	End	12904
Name	OJ000350_04.0310.C9.o4.gp	Method	AAT/GAP
Start	12752	End	12904
GI	uC-osflcyp177g01a1	Score	235
Exons	12752..12904		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o7.tw	Method	TBLASTX:Wheat
Start	7340	End	7736
GI	none	Score	62
Exons	7340..7390, 7391..7498, 7402..7494, 7463..7561, 7477..7569, 7569..7736		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o6.tw	Method	TBLASTX:Wheat
Start	11038	End	11328
GI	none	Score	218
Exons	11038..11328		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o3.tw	Method	TBLASTX:Wheat
Start	13411	End	13866
GI	none	Score	146
Exons	13411..13593, 13419..13592, 13630..13866, 13632..13856		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	14058	End	14514

GI	none	Score	542
Exons	14058..14513, 14059..14514		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	14098	End	14463
GI	none	Score	105
Exons	14098..14322, 14329..14463		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	14188	End	14544
GI	none	Score	403
Exons	14188..14544, 14229..14543		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	14572	End	14955
GI	none	Score	297
Exons	14572..14955, 14739..14954		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	14629	End	15048
GI	none	Score	428
Exons	14629..15048, 14669..14785, 14739..15011		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	14683	End	15108
GI	none	Score	295
Exons	14683..15108		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o5.tw	Method	TBLASTX:Wheat
Start	15198	End	15606
GI	none	Score	204
Exons	15198..15425, 15199..15423, 15433..15606, 15462..15554		

Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	15994	End	16308
GI	none	Score	194

Exons	15994..16308, 16113..16256		
Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o8.tw	Method	TBLASTX:Wheat
Start	15997	End	16308
GI	none	Score	186
Exons	15997..16308		
Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o4.tw	Method	TBLASTX:Wheat
Start	16513	End	17093
GI	none	Score	186
Exons	16513..16728, 16710..16937, 16962..17093		
Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	16710	End	16970
GI	none	Score	188
Exons	16710..16970		
Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o5.gs	Method	GENSCAN
Start	19713	End	21863
GI	none	Score	.47
Exons	19713..20169, 20268..20608, 20679..20825, 20938..21062, 21229..21397, 21414..21568, 21764..21863		
Seq. No.	44504	Seq. ID	OJ000350_04.0310.C9
Gene No.	93827	Strand	-
Start	19713	End	21863
Name	OJ000350_04.0310.C9.o2.np	Method	AAT/NAP
Start	19716	End	20934
GI	6721561	Score	1132
Exons	19716..20479, 20550..20608, 20679..20934		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	44505	Seq. ID	OJ000350_04.0310.C10
Gene No.	93828	Strand	+
Start	1	End	1523
Name	OJ000350_04.0310.C10.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	7459449	Score	137
Exons	1..164, 1447..1523		
GI Descrip.	hypothetical protein F17A8.180 - Arabidopsis thaliana gi|4538913|emb|CAB39650.1| (AL049482) putative protein		

[Arabidopsis thaliana] gi|7267679|emb|CAB78106.1| (AL161516) putative protein [Arabidopsis thaliana]

Seq. No.	44505	Seq. ID	OJ000350_04.0310.C10
Gene No.	93828	Strand	+
Start	1	End	1523
Name	OJ000350_04.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	165
GI	none	Score	232
Exons	1..156, 2..154, 52..165		

Seq. No.	44505	Seq. ID	OJ000350_04.0310.C10
Gene No.	93828	Strand	+
Start	1	End	1523
Name	OJ000350_04.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	1	End	165
GI	none	Score	247
Exons	1..156, 2..154, 52..165		

Seq. No.	44505	Seq. ID	OJ000350_04.0310.C10
Gene No.	93828	Strand	+
Start	1	End	1523
Name	OJ000350_04.0310.C10.o1.gs	Method	GENSCAN
Start	107	End	154
GI	none	Score	.69
Exons	107..154		

Seq. No.	44506	Seq. ID	OJ000350_04.0310.C15
Gene No.	93829	Strand	+
Start	89	End	293
Name	OJ000350_04.0310.C15.o1.gs	Method	GENSCAN
Start	89	End	293
GI	none	Score	.59
Exons	89..180, 185..293		

Seq. No.	44507	Seq. ID	OJ000350_04.0310.C19
Gene No.	93830	Strand	-
Start	1	End	318
Name	OJ000350_04.0310.C19.o1.np	Method	AAT/NAP
Start	1	End	277
GI	6358809	Score	254
Exons	1..277		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	44507	Seq. ID	OJ000350_04.0310.C19
Gene No.	93830	Strand	-
Start	1	End	318
Name	OJ000350_04.0310.C19.o1.tc	Method	TBLASTX:Cress
Start	87	End	284
GI	none	Score	184
Exons	87..284, 89..277		

Seq. No.	44507	Seq. ID	OJ000350_04.0310.C19
Gene No.	93830	Strand	-
Start	1	End	318
Name	OJ000350_04.0310.C19.o1.ts	Method	TBLASTX:Soybean
Start	87	End	280

GI	none	Score	180
Exons	87..278, 89..277, 107..280		
Seq. No.	44507	Seq. ID	OJ000350_04.0310.C19
Gene No.	93830	Strand	-
Start	1	End	318
Name	OJ000350_04.0310.C19.o1.tw	Method	TBLASTX:Wheat
Start	87	End	318
GI	none	Score	239
Exons	87..287, 88..318, 89..286		
Seq. No.	44507	Seq. ID	OJ000350_04.0310.C19
Gene No.	93830	Strand	-
Start	1	End	318
Name	OJ000350_04.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	87	End	301
GI	none	Score	264
Exons	87..287, 89..301, 89..286		
Seq. No.	44508	Seq. ID	OJ000350_04.0310.C21
Gene No.	93831	Strand	-
Start	683	End	1391
Name	OJ000350_04.0310.C21.o1.gs	Method	GENSCAN
Start	683	End	1391
GI	none	Score	.62
Exons	683..1135, 1353..1391		
Seq. No.	44509	Seq. ID	OJ000350_04.0310.C31
Gene No.	93832	Strand	-
Start	911	End	1105
Name	OJ000350_04.0310.C31.o2.gp	Method	AAT/GAP
Start	911	End	1105
GI	60270_1.R1084	Score	322
Exons	911..1105		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		
Seq. No.	44510	Seq. ID	OJ000350_04.0310.C45
Gene No.	93834	Strand	-
Start	1	End	709
Name	OJ000350_04.0310.C45.o1.np	Method	AAT/NAP
Start	1	End	709
GI	7340928	Score	563
Exons	1..209, 382..540, 684..709		
GI Descrip.	(AP001550) ESTs C26037(C11524),AU082857(C11524), AU083007(E61047) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome III BAC T02O04 genomic sequence; hypothetical protein (AC001645) [Oryza sativa]		
Seq. No.	44510	Seq. ID	OJ000350_04.0310.C45
Gene No.	93834	Strand	-
Start	1	End	709
Name	OJ000350_04.0310.C45.o1.gs	Method	GENSCAN
Start	65	End	537
GI	none	Score	.98
Exons	65..209, 382..537		

Seq. No.	44511	Seq. ID	OJ000350_04.0310.C60
Gene No.	93835	Strand	-
Start	169	End	3159
Name	OJ000350_04.0310.C60.o1.gs	Method	GENSCAN
Start	169	End	3159
GI	none	Score	.49
Exons	169..240, 834..1022, 1142..1254, 1458..1613, 1697..1879, 2335..2520, 3135..3159		

Seq. No.	44511	Seq. ID	OJ000350_04.0310.C60
Gene No.	93835	Strand	-
Start	169	End	3159
Name	OJ000350_04.0310.C60.o1.np	Method	AAT/NAP
Start	713	End	2335
GI	6983864	Score	152
Exons	713..1258, 2258..2335		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	44511	Seq. ID	OJ000350_04.0310.C60
Gene No.	93836	Strand	-
Start	4323	End	4515
Name	OJ000350_04.0310.C60.o2.gs	Method	GENSCAN
Start	4323	End	4515
GI	none	Score	.61
Exons	4323..4515		

Seq. No.	44512	Seq. ID	OJ000350_04.0310.C61
Gene No.	93837	Strand	+
Start	520	End	1092
Name	OJ000350_04.0310.C61.o1.gs	Method	GENSCAN
Start	520	End	1092
GI	none	Score	.8
Exons	520..1092		

Seq. No.	44513	Seq. ID	OJ000350_04.0310.C62
Gene No.	93838	Strand	+
Start	318	End	825
Name	OJ000350_04.0310.C62.o1.gp	Method	AAT/GAP
Start	318	End	825
GI	60270_1.R1084	Score	944
Exons	318..825		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		

Seq. No.	44513	Seq. ID	OJ000350_04.0310.C62
Gene No.	93838	Strand	+
Start	318	End	825
Name	OJ000350_04.0310.C62.o1.gs	Method	GENSCAN
Start	402	End	589
GI	none	Score	.77
Exons	402..589		

Seq. No.	44514	Seq. ID	OJ000350_04.0310.C64
Gene No.	93839	Strand	+
Start	322	End	2073
Name	OJ000350_04.0310.C64.o1.gs	Method	GENSCAN
Start	322	End	1750

GI	none	Score	.84
Exons	322..423, 1406..1750		

Seq. No.	44514	Seq. ID	OJ000350_04.0310.C64
Gene No.	93839	Strand	+
Start	322	End	2073
Name	OJ000350_04.0310.C64.o1.np	Method	AAT/NAP
Start	1445	End	1726
GI	7459449	Score	108
Exons	1445..1726		
GI Descrip.	hypothetical protein F17A8.180 - Arabidopsis thaliana gi|4538913|emb|CAB39650.1| (AL049482) putative protein [Arabidopsis thaliana] gi|7267679|emb|CAB78106.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	44514	Seq. ID	OJ000350_04.0310.C64
Gene No.	93840	Strand	-
Start	3051	End	3875
Name	OJ000350_04.0310.C64.o2.gs	Method	GENSCAN
Start	3051	End	3875
GI	none	Score	.84
Exons	3051..3156, 3844..3875		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.gs	Method	GENSCAN
Start	1104	End	1593
GI	none	Score	.63
Exons	1104..1538, 1585..1593		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.tw	Method	TBLASTX:Wheat
Start	1172	End	1401
GI	none	Score	60
Exons	1172..1237, 1182..1232, 1234..1401, 1236..1400		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.np	Method	AAT/NAP
Start	1179	End	1680
GI	7488036	Score	326
Exons	1179..1541, 1656..1680		
GI Descrip.	probable 3-oxoacyl-[acyl-carrier-protein] synthase (EC 2.3.1.41) - Arabidopsis thaliana gi|3096920|emb|CAA18830.1| (AL023094) putative ketoacyl-CoA synthase [Arabidopsis thaliana] gi|7270401|emb|CAB80168.1| (AL161585) putative ketoacyl-CoA synthase [Arabidopsis thaliana]		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.ts	Method	TBLASTX:Soybean
Start	1182	End	1523

GI	none	Score	91
Exons	1182..1523, 1197..1517, 1264..1521		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.tc	Method	TBLASTX:Cress
Start	1185	End	1521
GI	none	Score	193
Exons	1185..1520, 1222..1521		

Seq. No.	44515	Seq. ID	OJ000350_04.0310.C65
Gene No.	93841	Strand	-
Start	1104	End	1680
Name	OJ000350_04.0310.C65.o1.tm	Method	TBLASTX:Maize
Start	1185	End	1523
GI	none	Score	242
Exons	1185..1523, 1186..1521		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93842	Strand	+
Start	5083	End	5457
Name	OJ000350_04.0310.C66.o2.gs	Method	GENSCAN
Start	5083	End	5457
GI	none	Score	.61
Exons	5083..5457		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93843	Strand	-
Start	3034	End	5711
Name	OJ000350_04.0310.C66.o1.gs	Method	GENSCAN
Start	3034	End	4473
GI	none	Score	.53
Exons	3034..3085, 3527..4473		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93843	Strand	-
Start	3034	End	5711
Name	OJ000350_04.0310.C66.o1.np	Method	AAT/NAP
Start	3477	End	5711
GI	6715643	Score	551
Exons	3477..4392, 5690..5711		
GI Descrip.	(AC007323) T25K16.11 [Arabidopsis thaliana]		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93843	Strand	-
Start	3034	End	5711
Name	OJ000350_04.0310.C66.o1.tc	Method	TBLASTX:Cress
Start	3536	End	4332
GI	none	Score	81
Exons	3536..3727, 3544..3903, 3721..3834, 3889..4332, 3905..3955, 4007..4246		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93843	Strand	-
Start	3034	End	5711
Name	OJ000350_04.0310.C66.o1.ts	Method	TBLASTX:Soybean

Start	3536	End	4251
GI	none	Score	102
Exons	3536..3727, 3541..3903, 3785..3868, 3886..4251, 3905..3955, 3992..4249		

Seq. No.	44516	Seq. ID	OJ000350_04.0310.C66
Gene No.	93843	Strand	-
Start	3034	End	5711
Name	OJ000350_04.0310.C66.o1.tm	Method	TBLASTX:Maize
Start	3536	End	4332
GI	none	Score	126
Exons	3536..3727, 3541..3870, 3718..3849, 3782..3868, 3886..4134, 3887..3955, 3928..3957, 3992..4246, 4168..4332		

Seq. No.	44517	Seq. ID	OJ000350_04.0310.C67
Gene No.	93844	Strand	-
Start	345	End	433
Name	OJ000350_04.0310.C67.o1.gs	Method	GENSCAN
Start	345	End	433
GI	none	Score	.6
Exons	345..433		

Seq. No.	44518	Seq. ID	OJ000350_04.0310.C68
Gene No.	93845	Strand	+
Start	913	End	3224
Name	OJ000350_04.0310.C68.o1.gs	Method	GENSCAN
Start	913	End	3224
GI	none	Score	.53
Exons	913..981, 2742..2844, 3157..3224		

Seq. No.	44518	Seq. ID	OJ000350_04.0310.C68
Gene No.	93846	Strand	-
Start	3943	End	4110
Name	OJ000350_04.0310.C68.o2.gs	Method	GENSCAN
Start	3943	End	4110
GI	none	Score	.48
Exons	3943..4110		

Seq. No.	44519	Seq. ID	OJ000350_04.0310.C70
Gene No.	93847	Strand	-
Start	64	End	130
Name	OJ000350_04.0310.C70.o1.gs	Method	GENSCAN
Start	64	End	130
GI	none	Score	.51
Exons	64..130		

Seq. No.	44520	Seq. ID	OJ000350_04.0310.C72
Gene No.	93848	Strand	+
Start	614	End	1371
Name	OJ000350_04.0310.C72.o1.gs	Method	GENSCAN
Start	614	End	1356
GI	none	Score	.86
Exons	614..621, 847..996, 1218..1356		

Seq. No.	44520	Seq. ID	OJ000350_04.0310.C72
Gene No.	93848	Strand	+
Start	614	End	1371

Name	OJ000350_04.0310.C72.o1.tm	Method	TBLASTX:Maize
Start	1214	End	1371
GI	none	Score	102
Exons	1214..1357, 1230..1367, 1230..1367, 1231..1371		

Seq. No.	44521	Seq. ID	OJ000350_04.0310.C73
Gene No.	93849	Strand	+
Start	1173	End	2075
Name	OJ000350_04.0310.C73.o1.np	Method	AAT/NAP
Start	1173	End	2075
GI	5922623	Score	170
Exons	1173..1258, 1677..1832, 2000..2075		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44521	Seq. ID	OJ000350_04.0310.C73
Gene No.	93850	Strand	+
Start	2100	End	2268
Name	OJ000350_04.0310.C73.o2.np	Method	AAT/NAP
Start	2100	End	2268
GI	7523512	Score	143
Exons	2100..2268		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44521	Seq. ID	OJ000350_04.0310.C73
Gene No.	93851	Strand	-
Start	781	End	1917
Name	OJ000350_04.0310.C73.o1.gs	Method	GENSCAN
Start	781	End	1917
GI	none	Score	.64
Exons	781..879, 1207..1383, 1846..1917		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93852	Strand	+
Start	1737	End	6300
Name	OJ000350_04.0310.C74.o1.gs	Method	GENSCAN
Start	1737	End	6300
GI	none	Score	.63
Exons	1737..1807, 2755..2881, 3248..3298, 3758..3840, 5049..5104, 6107..6300		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o2.gs	Method	GENSCAN
Start	8082	End	13352
GI	none	Score	.67
Exons	8082..8120, 8249..8446, 8498..8633, 8750..8874, 9053..9119, 9481..9648, 9906..10030, 10124..10282, 10388..10580, 10836..10919, 10997..11649, 11745..11837, 12196..12324, 12416..12503, 12641..12729, 12804..13064, 13188..13352		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.np	Method	AAT/NAP

Start	8282	End	13100
GI	7488040	Score	2265
Exons	8282..8715, 8975..9119, 9529..9648, 9906..10030, 10124..10282, 10388..10550, 10631..10756, 10836..10919, 10997..11364, 11449..11649, 11745..11854, 11949..12033, 12196..12324, 12416..12521, 12641..12729, 12804..13100		
GI Descrip.	probable ABC-type transport protein T23J7.110 - Arabidopsis thaliana gi|4741195|emb|CAB41861.1| (AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.gp	Method	AAT/GAP
Start	10222	End	10917
GI	58331_1.R1084	Score	682
Exons	10222..10282, 10388..10580, 10702..10756, 10836..10917		
GI Descrip.	'4741194/emb|CAB41860.1| 2.0e-36 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o2.np	Method	AAT/NAP
Start	10355	End	13100
GI	7488045	Score	1024
Exons	10355..10387, 10997..11364, 11745..11856, 11924..12033, 12196..12324, 12416..12521, 12641..12729, 12804..13100		
GI Descrip.	probable ABC-type transport protein T23J7.90 - Arabidopsis thaliana gi|4741193|emb|CAB41859.1| (AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o4.tm	Method	TBLASTX:Maize
Start	10424	End	10749
GI	none	Score	152
Exons	10424..10552, 10448..10537, 10627..10749, 10629..10748		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.tc	Method	TBLASTX:Cress
Start	10621	End	10929
GI	none	Score	123
Exons	10621..10758, 10623..10757, 10835..10924, 10852..10929		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.tm	Method	TBLASTX:Maize
Start	10824	End	11550
GI	none	Score	151
Exons	10824..10916, 10825..10917, 10826..10918, 10996..11217, 10998..11357, 10999..11364, 11162..11362, 11299..11364, 11432..11548, 11440..11550, 11449..11550		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.tw	Method	TBLASTX:Wheat
Start	10987	End	11365
GI	none	Score	342
Exons	10987..11244, 10998..11258, 11273..11365, 11274..11363		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o3.ts	Method	TBLASTX:Soybean
Start	10993	End	11226
GI	none	Score	210
Exons	10993..11226, 11007..11225		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o2.tc	Method	TBLASTX:Cress
Start	11449	End	11867
GI	none	Score	149
Exons	11449..11652, 11511..11633, 11763..11867		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o3.tm	Method	TBLASTX:Maize
Start	11754	End	12333
GI	none	Score	161
Exons	11754..11861, 11754..11855, 11942..12034, 11947..12033, 11949..12050, 12191..12319, 12195..12320, 12195..12332, 12196..12333		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o1.ts	Method	TBLASTX:Soybean
Start	11823	End	12523
GI	none	Score	62
Exons	11823..11861, 11825..11854, 11949..12017, 11950..12033, 12193..12324, 12195..12329, 12196..12333, 12233..12331, 12410..12517, 12415..12522, 12416..12523		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+
Start	8082	End	13352
Name	OJ000350_04.0310.C74.o2.tm	Method	TBLASTX:Maize
Start	12401	End	13343
GI	none	Score	61
Exons	12401..12520, 12628..12681, 12687..12731, 12694..12732, 12768..13082, 12797..13093, 12801..13082, 13171..13332, 13184..13342, 13185..13343		

Seq. No.	44522	Seq. ID	OJ000350_04.0310.C74
Gene No.	93853	Strand	+

Start	8082	End	13352
Name	OJ000350_04.0310.C74.o2.ts	Method	TBLASTX:Soybean
Start	12921	End	13336
GI	none	Score	214
Exons	12921..13085, 12923..13087, 12923..13087, 13184..13336, 13185..13334		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93854	Strand	+
Start	1017	End	11325
Name	OJ000350_04.0310.C75.o1.gs	Method	GENSCAN
Start	1017	End	11325
GI	none	Score	.4
Exons	1017..1145, 1174..1412, 1906..2111, 3084..3421, 3530..3665, 3857..3993, 4081..4204, 5371..5732, 7849..7947, 8478..8581, 8644..8774, 9765..9931, 10144..10264, 10480..10571, 10647..10747, 10968..11325		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93854	Strand	+
Start	1017	End	11325
Name	OJ000350_04.0310.C75.o1.np	Method	AAT/NAP
Start	1880	End	5750
GI	6094554	Score	1359
Exons	1880..2144, 3123..3421, 3530..3665, 3857..3993, 4081..4204, 5237..5750		
GI Descrip.	(AC010676) putative protein kinase [Arabidopsis thaliana] gi|6714459|gb|AAF26145.1|AC008261_2 (AC008261) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93854	Strand	+
Start	1017	End	11325
Name	OJ000350_04.0310.C75.o1.gp	Method	AAT/GAP
Start	3959	End	5985
GI	38732_1.R1084	Score	1715
Exons	3959..3993, 4081..4204, 5237..5985		
GI Descrip.	'6094554/gb|AAF03496.1|AC010676_6 2.0e-69 (AC010676) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93854	Strand	+
Start	1017	End	11325
Name	OJ000350_04.0310.C75.o2.np	Method	AAT/NAP
Start	9743	End	11319
GI	3928150	Score	1124
Exons	9743..9931, 10144..10264, 10480..10571, 10647..10743, 10961..11319		
GI Descrip.	(AJ131049) hypothetical protein [Cicer arietinum]		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93855	Strand	-
Start	11380	End	11597
Name	OJ000350_04.0310.C75.o2.gp	Method	AAT/GAP
Start	11380	End	11597
GI	none	Score	296
Exons	11380..11597		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o1.tc	Method	TBLASTX:Cress
Start	3200	End	3661
GI	none	Score	342
Exons	3200..3421, 3211..3381, 3261..3416, 3529..3657, 3530..3661, 3533..3661		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o2.ts	Method	TBLASTX:Soybean
Start	3203	End	4206
GI	none	Score	368
Exons	3203..3421, 3205..3381, 3234..3422, 3529..3666, 3530..3664, 3841..3981, 3858..3992, 3858..3995, 3859..3993, 4065..4205, 4066..4206		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o1.tm	Method	TBLASTX:Maize
Start	3253	End	5974
GI	none	Score	306
Exons	3253..3381, 3254..3421, 3254..3421, 3255..3437, 3528..3665, 3529..3666, 3530..3664, 3536..3670, 3855..3992, 3856..3984, 3858..3995, 3859..3993, 4062..4205, 4065..4202, 4066..4206, 4079..4207, 4081..4209, 5233..5259, 5240..5260, 5261..5623, 5262..5624, 5278..5625, 5633..5668, 5663..5740, 5664..5741, 5765..5842, 5921..5974		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o4.tc	Method	TBLASTX:Cress
Start	3859	End	4209
GI	none	Score	108
Exons	3859..3951, 3862..3933, 3934..3990, 3945..3989, 4066..4206, 4080..4205, 4081..4209		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o1.tw	Method	TBLASTX:Wheat
Start	3862	End	5399
GI	none	Score	91
Exons	3862..3930, 3874..3930, 3937..3993, 3942..3995, 4065..4205, 4066..4206, 4081..4209, 5228..5260, 5262..5399, 5263..5367, 5270..5368		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o3.ts	Method	TBLASTX:Soybean
Start	5260	End	5686

GI	none	Score	495
Exons	5260..5355, 5262..5603, 5264..5587, 5310..5588, 5333..5500, 5334..5621, 5633..5686		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o3.tc	Method	TBLASTX:Cress
Start	5262	End	5617
GI	none	Score	352
Exons	5262..5582, 5264..5617		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o4.tw	Method	TBLASTX:Wheat
Start	7458	End	7790
GI	none	Score	231
Exons	7458..7790		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o2.tw	Method	TBLASTX:Wheat
Start	9702	End	10268
GI	none	Score	290
Exons	9702..9932, 9733..9933, 9734..9931, 10142..10261, 10143..10268, 10144..10263		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o3.tm	Method	TBLASTX:Maize
Start	9733	End	10745
GI	none	Score	320
Exons	9733..9933, 9734..9931, 10141..10263, 10142..10264, 10144..10290, 10472..10519, 10479..10586, 10495..10572, 10625..10741, 10644..10745, 10647..10742		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o5.tc	Method	TBLASTX:Cress
Start	9736	End	10571
GI	none	Score	281
Exons	9736..9933, 9743..9931, 10138..10263, 10142..10264, 10144..10290, 10479..10571		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o1.ts	Method	TBLASTX:Soybean
Start	9740	End	11319
GI	none	Score	271
Exons	9740..9913, 9742..9933, 9743..9931, 10133..10264, 10141..10284, 10144..10290, 10472..10513, 10479..10571, 10492..10572, 10498..10572, 10580..10741, 10644..10745, 10647..10742,		

10957..11319, 11031..11309

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o3.tw	Method	TBLASTX:Wheat
Start	10473	End	10745
GI	none	Score	127
Exons	10473..10571, 10479..10586, 10605..10745, 10646..10738,	10480..10572, 10580..10741, 10647..10742	

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o2.tc	Method	TBLASTX:Cress
Start	10662	End	11310
GI	none	Score	95
Exons	10662..10721, 10665..10715,	10957..11310, 11031..11297	

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o2.tm	Method	TBLASTX:Maize
Start	10970	End	11307
GI	none	Score	392
Exons	10970..10987, 10971..11303, 11254..11307	10972..11307, 11031..11306,	

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o5.tw	Method	TBLASTX:Wheat
Start	11031	End	11196
GI	none	Score	169
Exons	11031..11144, 11032..11154, 11146..11196	11136..11195, 11145..11195,	

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o3.gp	Method	AAT/GAP
Start	11985	End	12938
GI	none	Score	706
Exons	11985..12252, 12783..12938		

Seq. No.	44523	Seq. ID	OJ000350_04.0310.C75
Gene No.	93856	Strand	-
Start	12096	End	12938
Name	OJ000350_04.0310.C75.o2.gs	Method	GENSCAN
Start	12096	End	12895
GI	none	Score	.73
Exons	12096..12252, 12783..12895		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93857	Strand	+
Start	1686	End	4822
Name	OJ000350_04.0310.C76.o1.gp	Method	AAT/GAP

Start	1686	End	4724
GI	15680_2.R1084	Score	1632
Exons	1686..1876, 2004..2071, 3008..3118, 3492..3578, 3666..3874, 4519..4724		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93857	Strand	+
Start	1686	End	4822
Name	OJ000350_04.0310.C76.o1.gs	Method	GENSCAN
Start	1831	End	4822
GI	none	Score	.81
Exons	1831..1876, 2004..2071, 3008..3118, 3492..3578, 3666..3874, 4519..4822		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93857	Strand	+
Start	1686	End	4822
Name	OJ000350_04.0310.C76.o1.np	Method	AAT/NAP
Start	1831	End	4819
GI	7339529	Score	1229
Exons	1831..1876, 2004..2071, 3008..3118, 3492..3578, 3666..3874, 4519..4819		
GI Descrip.	(Y18104) voltage-dependent anion channel [Oryza sativa]		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93858	Strand	+
Start	6498	End	13853
Name	OJ000350_04.0310.C76.o2.gs	Method	GENSCAN
Start	6498	End	13853
GI	none	Score	.72
Exons	6498..6943, 8231..8348, 8448..8564, 8643..8789, 8925..8999, 9778..9888, 10047..10131, 10268..10365, 10492..10534, 11697..11750, 11907..12051, 12789..12822, 13122..13260, 13738..13853		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93858	Strand	+
Start	6498	End	13853
Name	OJ000350_04.0310.C76.o2.np	Method	AAT/NAP
Start	6561	End	10719
GI	3348077	Score	1000
Exons	6561..6943, 8231..8348, 8448..8564, 8643..8789, 8925..8999, 9062..9130, 9339..9457, 9579..9640, 9782..9888, 10047..10131, 10268..10365, 10492..10584, 10670..10719		
GI Descrip.	(AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93858	Strand	+
Start	6498	End	13853
Name	OJ000350_04.0310.C76.o3.gp	Method	AAT/GAP
Start	9723	End	10475
GI	2427264	Score	824
Exons	9723..9888, 10047..10131, 10268..10475		
GI Descrip.	3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93859	Strand	-
Start	8021	End	8220
Name	OJ000350_04.0310.C76.o1.tm	Method	TBLASTX:Maize
Start	1816	End	4826
GI	none	Score	74
Exons	1816..1875, 1825..1875, 1841..1879, 1856..1882, 2003..2071, 2004..2072, 2005..2073, 2975..3121, 3007..3117, 3492..3581, 3522..3578, 3524..3580, 3667..3876, 3668..3877, 3669..3875, 4508..4822, 4518..4565, 4576..4824, 4576..4824, 4680..4826		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93859	Strand	-
Start	8021	End	8220
Name	OJ000350_04.0310.C76.o1.tc	Method	TBLASTX:Cress
Start	1836	End	4824
GI	none	Score	63
Exons	1836..1883, 1837..1875, 1997..2071, 2001..2054, 2975..3121, 3492..3578, 3524..3577, 3663..3878, 3668..3880, 3669..3875, 4499..4822, 4519..4563, 4553..4822, 4576..4824		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93859	Strand	-
Start	8021	End	8220
Name	OJ000350_04.0310.C76.o1.ts	Method	TBLASTX:Soybean
Start	1836	End	4832
GI	none	Score	60
Exons	1836..1874, 1837..1875, 1997..2071, 2004..2054, 3008..3121, 3498..3581, 3524..3580, 3663..3878, 3668..3880, 3669..3875, 4519..4596, 4520..4567, 4544..4828, 4576..4830, 4576..4818, 4671..4832		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93859	Strand	-
Start	8021	End	8220
Name	OJ000350_04.0310.C76.o2.gp	Method	AAT/GAP
Start	8021	End	8220
GI	3106969	Score	372
Exons	8021..8220		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93860	Strand	
Start	9372	End	14095
Name	OJ000350_04.0310.C76.o2.tm	Method	TBLASTX:Maize
Start	9372	End	13430
GI	none	Score	119
Exons	9372..9446, 9373..9456, 9373..9456, 9568..9636, 9573..9647, 9576..9644, 9768..9875, 9772..9888, 9776..9886, 10044..10127, 10046..10129, 10046..10126, 10069..10131, 10251..10304, 10267..10305, 13191..13217, 13215..13238, 13356..13430		

Seq. No.	44524	Seq. ID	OJ000350_04.0310.C76
Gene No.	93860	Strand	
Start	9372	End	14095
Name	OJ000350_04.0310.C76.o3.tm	Method	TBLASTX:Maize
Start	10306	End	14095

GI	none	Score	98
Exons	10306..10365, 10308..10364, 10490..10582, 10491..10583, 10492..10584, 10657..10746, 10665..10745, 10667..10747, 13591..13653, 13715..13777, 13906..13926, 14039..14095		

Seq. No.	44525	Seq. ID	OJ000350_04.0310.C79
Gene No.	93861	Strand	+
Start	513	End	593
Name	OJ000350_04.0310.C79.o1.gp	Method	AAT/GAP
Start	513	End	593
GI	8345_1.R1084	Score	117
Exons	513..593		
GI Descrip.	'4538913/emb|CAB39650.1| 1.0e-16 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	44526	Seq. ID	OJ000350_07.0310.C8
Gene No.	93862	Strand	
Start	1	End	309
Name	OJ000350_07.0310.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	309
GI	none	Score	259
Exons	1..309		

Seq. No.	44527	Seq. ID	OJ000350_07.0310.C9
Gene No.	93863	Strand	+
Start	8015	End	8438
Name	OJ000350_07.0310.C9.o1.np	Method	AAT/NAP
Start	8015	End	8438
GI	6539570	Score	93
Exons	8015..8216, 8372..8438		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44527	Seq. ID	OJ000350_07.0310.C9
Gene No.	93864	Strand	-
Start	770	End	1427
Name	OJ000350_07.0310.C9.o1.gs	Method	GENSCAN
Start	770	End	1427
GI	none	Score	.83
Exons	770..907, 1076..1218, 1337..1427		

Seq. No.	44527	Seq. ID	OJ000350_07.0310.C9
Gene No.	93865	Strand	-
Start	2292	End	11532
Name	OJ000350_07.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	1236	End	1671
GI	none	Score	52
Exons	1236..1286, 1286..1342, 1338..1535, 1556..1660, 1577..1669, 1579..1671		

Seq. No.	44527	Seq. ID	OJ000350_07.0310.C9
Gene No.	93865	Strand	-
Start	2292	End	11532
Name	OJ000350_07.0310.C9.o2.gs	Method	GENSCAN
Start	2292	End	11532
GI	none	Score	.58
Exons	2292..2447, 2554..2780, 2922..3049, 3946..4151, 4770..4804, 6543..6648, 6829..6924, 7256..7461, 7617..7810, 8141..8268,		

8821..8955, 10412..10525, 10937..11052, 11325..11532

Seq. No.	44528	Seq. ID	OJ000350_07.0310.C10
Gene No.	93866	Strand	+
Start	179	End	365
Name	OJ000350_07.0310.C10.o1.gs	Method	GENSCAN
Start	179	End	365
GI	none	Score	.65
Exons	179..365		

Seq. No.	44529	Seq. ID	OJ000350_07.0310.C11
Gene No.	93867	Strand	-
Start	162	End	1707
Name	OJ000350_07.0310.C11.o1.gs	Method	GENSCAN
Start	162	End	1642
GI	none	Score	.42
Exons	162..283, 565..639, 721..1458, 1507..1642		

Seq. No.	44529	Seq. ID	OJ000350_07.0310.C11
Gene No.	93867	Strand	-
Start	162	End	1707
Name	OJ000350_07.0310.C11.o1.np	Method	AAT/NAP
Start	165	End	1707
GI	6815052	Score	1776
Exons	165..283, 565..639, 721..1458, 1507..1707		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44530	Seq. ID	OJ000350_07.0310.C14
Gene No.	93868	Strand	
Start	346	End	728
Name	OJ000350_07.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	346	End	728
GI	none	Score	74
Exons	346..492, 570..728, 571..723		

Seq. No.	44531	Seq. ID	OJ000350_07.0310.C15
Gene No.	93869	Strand	+
Start	1	End	4434
Name	OJ000350_07.0310.C15.o1.np	Method	AAT/NAP
Start	1	End	1543
GI	1491712	Score	130
Exons	1..31, 1160..1264, 1425..1543		
GI Descrip.	(X99961) unknown [Homo sapiens]		

Seq. No.	44531	Seq. ID	OJ000350_07.0310.C15
Gene No.	93869	Strand	+
Start	1	End	4434
Name	OJ000350_07.0310.C15.o1.tc	Method	TBLASTX:Cress
Start	1201	End	1611
GI	none	Score	84
Exons	1201..1263, 1415..1606, 1417..1611		

Seq. No.	44531	Seq. ID	OJ000350_07.0310.C15
Gene No.	93869	Strand	+
Start	1	End	4434
Name	OJ000350_07.0310.C15.o2.ts	Method	TBLASTX:Soybean
Start	1201	End	1543

GI	none	Score	90
Exons	1201..1263, 1415..1543, 1417..1542		

Seq. No.	44531	Seq. ID	OJ000350_07.0310.C15
Gene No.	93869	Strand	+
Start	1	End	4434
Name	OJ000350_07.0310.C15.o1.gs	Method	GENSCAN
Start	1207	End	4434
GI	none	Score	.62
Exons	1207..1264, 1425..1619, 1993..2069, 2361..2436, 3258..3326, 3721..3808, 4104..4246, 4316..4434		

Seq. No.	44531	Seq. ID	OJ000350_07.0310.C15
Gene No.	93869	Strand	+
Start	1	End	4434
Name	OJ000350_07.0310.C15.o1.ts	Method	TBLASTX:Soybean
Start	3261	End	3809
GI	none	Score	110
Exons	3261..3353, 3264..3344, 3552..3650, 3560..3649, 3732..3809, 3743..3808		

Seq. No.	44532	Seq. ID	OJ000350_07.0310.C16
Gene No.	93870	Strand	+
Start	1057	End	2761
Name	OJ000350_07.0310.C16.o1.np	Method	AAT/NAP
Start	1057	End	2761
GI	7340909	Score	156
Exons	1057..1103, 2359..2761		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44532	Seq. ID	OJ000350_07.0310.C16
Gene No.	93871	Strand	-
Start	412	End	2071
Name	OJ000350_07.0310.C16.o1.gs	Method	GENSCAN
Start	412	End	2071
GI	none	Score	.4
Exons	412..1294, 1436..1461, 1771..2071		

Seq. No.	44532	Seq. ID	OJ000350_07.0310.C16
Gene No.	93871	Strand	-
Start	412	End	2071
Name	OJ000350_07.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	445	End	721
GI	none	Score	152
Exons	445..714, 469..642, 470..721, 470..646, 673..696, 685..720		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93872	Strand	+
Start	8639	End	9613
Name	OJ000350_07.0310.C17.o3.gs	Method	GENSCAN
Start	8639	End	9613
GI	none	Score	.82
Exons	8639..8952, 9508..9613		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93873	Strand	-
Start	7579	End	8103

Name	OJ000350_07.0310.C17.o1.gp	Method	AAT/GAP
Start	6645	End	7060
GI	3759837	Score	731
Exons	6645..7060		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93873	Strand	-
Start	7579	End	8103
Name	OJ000350_07.0310.C17.o2.gs	Method	GENSCAN
Start	7579	End	8103
GI	none	Score	.98
Exons	7579..8103		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93873	Strand	-
Start	7579	End	8103
Name	OJ000350_07.0310.C17.o3.np	Method	AAT/NAP
Start	7582	End	8010
GI	7488772	Score	274
Exons	7582..8010		
GI Descrip.	pathogenesis-related protein 3 - kidney bean gi|169363|gb|AAA33773.1| (M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o3.ts	Method	TBLASTX:Soybean
Start	1110	End	1660
GI	none	Score	108
Exons	1110..1202, 1116..1193, 1117..1203, 1403..1501, 1411..1500, 1594..1659, 1595..1660		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o3.tm	Method	TBLASTX:Maize
Start	2238	End	2528
GI	none	Score	102
Exons	2238..2336, 2331..2528, 2332..2493		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o1.tw	Method	TBLASTX:Wheat
Start	2607	End	2975
GI	none	Score	145
Exons	2607..2966, 2607..2975		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o2.tm	Method	TBLASTX:Maize
Start	2700	End	3200
GI	none	Score	75
Exons	2700..2786, 2704..2781, 2799..2897, 2799..3170, 2983..3171, 3003..3200		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o5.tw	Method	TBLASTX:Wheat
Start	3069	End	3619
GI	none	Score	119
Exons	3069..3185, 3213..3251, 3246..3455, 3422..3619		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o6.tm	Method	TBLASTX:Maize
Start	3214	End	3416
GI	none	Score	108
Exons	3214..3405, 3231..3416		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o1.ts	Method	TBLASTX:Soybean
Start	3243	End	3769
GI	none	Score	207
Exons	3243..3428, 3449..3769		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	3422	End	4336
GI	none	Score	66
Exons	3422..4336, 3494..3667, 3714..3746, 3813..3851, 3894..4313		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o7.tw	Method	TBLASTX:Wheat
Start	3626	End	3970
GI	none	Score	35
Exons	3626..3706, 3698..3850, 3714..3746, 3855..3968, 3860..3970		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o3.tw	Method	TBLASTX:Wheat
Start	3973	End	4270
GI	none	Score	193
Exons	3973..4224, 3974..4270, 4011..4250		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o5.tm	Method	TBLASTX:Maize
Start	4475	End	5244
GI	none	Score	45
Exons	4475..4552, 4529..4720, 4694..5098, 5092..5181, 5206..5244		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17

Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o2.tw	Method	TBLASTX:Wheat
Start	4613	End	5026
GI	none	Score	142
Exons	4613..5026, 4614..5024		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o4.tw	Method	TBLASTX:Wheat
Start	5240	End	5595
GI	none	Score	57
Exons	5240..5326, 5245..5469, 5259..5441, 5468..5500, 5470..5595		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o2.ts	Method	TBLASTX:Soybean
Start	7577	End	7770
GI	none	Score	158
Exons	7577..7765, 7580..7738, 7609..7770		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o4.tm	Method	TBLASTX:Maize
Start	7577	End	7767
GI	none	Score	108
Exons	7577..7738, 7580..7765, 7609..7767		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o6.tw	Method	TBLASTX:Wheat
Start	7580	End	7770
GI	none	Score	108
Exons	7580..7738, 7609..7770		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o1.tc	Method	TBLASTX:Cress
Start	7586	End	7770
GI	none	Score	125
Exons	7586..7738, 7592..7765, 7609..7770		

Seq. No.	44533	Seq. ID	OJ000350_07.0310.C17
Gene No.	93874	Strand	-
Start	8518	End	8795
Name	OJ000350_07.0310.C17.o2.gp	Method	AAT/GAP
Start	8518	End	8795
GI	none	Score	556
Exons	8518..8795		

Seq. No.	44534	Seq. ID	OJ000350_07.0310.C18
Gene No.	93875	Strand	+

Start	2843	End	9670
Name	OJ000350_07.0310.C18.o1.gs	Method	GENSCAN
Start	2843	End	9670
GI	none	Score	.64
Exons	2843..2977, 4259..4384, 5300..5447, 5468..5585, 5603..5771, 7276..7372, 9483..9670		

Seq. No.	44534	Seq. ID	OJ000350_07.0310.C18
Gene No.	93875	Strand	+
Start	2843	End	9670
Name	OJ000350_07.0310.C18.o1.gp	Method	AAT/GAP
Start	3068	End	3156
GI	5867_1.R1084	Score	129
Exons	3068..3156		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	44534	Seq. ID	OJ000350_07.0310.C18
Gene No.	93876	Strand	-
Start	11716	End	12184
Name	OJ000350_07.0310.C18.o2.gs	Method	GENSCAN
Start	11716	End	12184
GI	none	Score	.5
Exons	11716..11970, 12053..12184		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93877	Strand	+
Start	2594	End	6075
Name	OJ000350_07.0310.C19.o1.gs	Method	GENSCAN
Start	2594	End	6075
GI	none	Score	.52
Exons	2594..2734, 2790..2977, 3409..3458, 3577..3687, 4504..4652, 4941..6075		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93877	Strand	+
Start	2594	End	6075
Name	OJ000350_07.0310.C19.o1.np	Method	AAT/NAP
Start	4867	End	6072
GI	2126090	Score	2114
Exons	4867..6072		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93878	Strand	+
Start	6979	End	11227
Name	OJ000350_07.0310.C19.o2.gs	Method	GENSCAN

Start	6979	End	11184
GI	none	Score	.46
Exons	6979..8068, 8140..8813, 8880..9578, 9863..9986, 10126..10573, 10754..11184		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93878	Strand	+
Start	6979	End	11227
Name	OJ000350_07.0310.C19.o3.np	Method	AAT/NAP
Start	10111	End	11227
GI	5922631	Score	843
Exons	10111..10379, 10419..11227		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93879	Strand	-
Start	5143	End	8993
Name	OJ000350_07.0310.C19.o1.tc	Method	TBLASTX:Cress
Start	4729	End	4907
GI	none	Score	215
Exons	4729..4905, 4731..4907, 4737..4907		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93879	Strand	-
Start	5143	End	8993
Name	OJ000350_07.0310.C19.o2.np	Method	AAT/NAP
Start	5143	End	8778
GI	6721512	Score	162
Exons	5143..5278, 6516..6576, 6691..6723, 6767..6913, 6941..7072, 7405..7429, 8687..8778		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93879	Strand	-
Start	5143	End	8993
Name	OJ000350_07.0310.C19.o2.tm	Method	TBLASTX:Maize
Start	8571	End	8831
GI	none	Score	192
Exons	8571..8831		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93879	Strand	-
Start	5143	End	8993
Name	OJ000350_07.0310.C19.o3.tw	Method	TBLASTX:Wheat
Start	8595	End	8993
GI	none	Score	222
Exons	8595..8993, 8618..8893		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93880	Strand	
Start	9587	End	10009

Name	OJ000350_07.0310.C19.o2.tw	Method	TBLASTX:Wheat
Start	9587	End	10009
GI	none	Score	130
Exons	9587..9757, 9796..9981, 9797..10000, 9845..10009		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93881	Strand	
Start	10536	End	11048
Name	OJ000350_07.0310.C19.o1.tm	Method	TBLASTX:Maize
Start	10536	End	10841
GI	none	Score	316
Exons	10536..10841, 10553..10840		

Seq. No.	44535	Seq. ID	OJ000350_07.0310.C19
Gene No.	93881	Strand	
Start	10536	End	11048
Name	OJ000350_07.0310.C19.o1.tw	Method	TBLASTX:Wheat
Start	10667	End	11048
GI	none	Score	346
Exons	10667..11032, 10668..11048		

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93882	Strand	+
Start	66	End	1198
Name	OJ000350_07.0310.C20.o1.gs	Method	GENSCAN
Start	66	End	1198
GI	none	Score	.79
Exons	66..148, 499..640, 1003..1198		

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93883	Strand	-
Start	930	End	7813
Name	OJ000350_07.0310.C20.o2.np	Method	AAT/NAP
Start	930	End	5009
GI	6907089	Score	254
Exons	930..974, 4383..5009		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93883	Strand	-
Start	930	End	7813
Name	OJ000350_07.0310.C20.o2.gs	Method	GENSCAN
Start	2309	End	6697
GI	none	Score	.82
Exons	2309..2556, 2640..2840, 3075..3609, 3901..4095, 4164..4288, 4383..4541, 5004..5220, 5728..5765, 5812..5920, 6050..6115, 6695..6697		

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93883	Strand	-
Start	930	End	7813
Name	OJ000350_07.0310.C20.o1.np	Method	AAT/NAP
Start	2943	End	4504
GI	6721561	Score	399
Exons	2943..3691, 3765..3859, 3939..4091, 4432..4504		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93883	Strand	-
Start	930	End	7813
Name	OJ000350_07.0310.C20.o3.np	Method	AAT/NAP
Start	5725	End	7813
GI	6721512	Score	138
Exons	5725..5765, 5808..5950, 5978..6088, 7770..7813		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44536	Seq. ID	OJ000350_07.0310.C20
Gene No.	93883	Strand	-
Start	930	End	7813
Name	OJ000350_07.0310.C20.o3.gs	Method	GENSCAN
Start	7643	End	7756
GI	none	Score	.96
Exons	7643..7756		

Seq. No.	44537	Seq. ID	OJ000350_07.0310.C21
Gene No.	93884	Strand	+
Start	1	End	339
Name	OJ000350_07.0310.C21.o1.gp	Method	AAT/GAP
Start	1	End	339
GI	72524_1.R1084	Score	430
Exons	1..339		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	44537	Seq. ID	OJ000350_07.0310.C21
Gene No.	93885	Strand	+
Start	292	End	2743
Name	OJ000350_07.0310.C21.o1.np	Method	AAT/NAP
Start	292	End	2743
GI	7106512	Score	774
Exons	292..352, 426..596, 985..1386, 1428..2185, 2671..2743		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44537	Seq. ID	OJ000350_07.0310.C21
Gene No.	93885	Strand	+
Start	292	End	2743
Name	OJ000350_07.0310.C21.o1.gs	Method	GENSCAN
Start	1604	End	2192
GI	none	Score	.97
Exons	1604..1759, 1851..2192		

Seq. No.	44538	Seq. ID	OJ000350_07.0310.C22
Gene No.	93886	Strand	+
Start	1	End	827
Name	OJ000350_07.0310.C22.o1.np	Method	AAT/NAP
Start	1	End	827
GI	7248395	Score	449
Exons	1..87, 116..827		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44538	Seq. ID	OJ000350_07.0310.C22
Gene No.	93886	Strand	+
Start	1	End	827
Name	OJ000350_07.0310.C22.o1.gs	Method	GENSCAN
Start	49	End	401
GI	none	Score	.53
Exons	49..401		

Seq. No.	44539	Seq. ID	OJ000350_07.0310.C25
Gene No.	93887	Strand	+
Start	580	End	819
Name	OJ000350_07.0310.C25.o1.gs	Method	GENSCAN
Start	580	End	819
GI	none	Score	.64
Exons	580..819		

Seq. No.	44540	Seq. ID	OJ000350_07.0310.C27
Gene No.	93888	Strand	+
Start	49	End	647
Name	OJ000350_07.0310.C27.o1.gs	Method	GENSCAN
Start	49	End	647
GI	none	Score	.99
Exons	49..193, 554..647		

Seq. No.	44541	Seq. ID	OJ000350_07.0310.C28
Gene No.	93889	Strand	+
Start	1	End	1288
Name	OJ000350_07.0310.C28.o1.np	Method	AAT/NAP
Start	1	End	1288
GI	7248395	Score	162
Exons	1..137, 210..530, 1245..1288		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44541	Seq. ID	OJ000350_07.0310.C28
Gene No.	93890	Strand	-
Start	146	End	555
Name	OJ000350_07.0310.C28.o1.gs	Method	GENSCAN
Start	146	End	555
GI	none	Score	.44
Exons	146..224, 476..555		

Seq. No.	44542	Seq. ID	OJ000350_07.0310.C29
Gene No.	93891	Strand	+
Start	1028	End	1360
Name	OJ000350_07.0310.C29.o1.gp	Method	AAT/GAP
Start	1028	End	1277
GI	3761181	Score	404
Exons	1028..1277		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44542	Seq. ID	OJ000350_07.0310.C29
Gene No.	93891	Strand	+
Start	1028	End	1360
Name	OJ000350_07.0310.C29.o1.np	Method	AAT/NAP
Start	1174	End	1360

GI	7106512	Score	77
Exons	1174..1234, 1308..1360		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44542	Seq. ID	OJ000350_07.0310.C29
Gene No.	93892	Strand	-
Start	1708	End	3133
Name	OJ000350_07.0310.C29.o2.np	Method	AAT/NAP
Start	1708	End	3133
GI	5852084	Score	81
Exons	1708..1848, 3107..3133		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44542	Seq. ID	OJ000350_07.0310.C29
Gene No.	93893	Strand	-
Start	11596	End	11696
Name	OJ000350_07.0310.C29.o2.gs	Method	GENSCAN
Start	11596	End	11696
GI	none	Score	.41
Exons	11596..11696		

Seq. No.	44543	Seq. ID	OJ000350_07.0310.C30
Gene No.	93894	Strand	+
Start	263	End	3197
Name	OJ000350_07.0310.C30.o1.gs	Method	GENSCAN
Start	263	End	2236
GI	none	Score	.72
Exons	263..282, 850..1078, 1298..1398, 1493..1579, 1679..1829, 1946..2236		

Seq. No.	44543	Seq. ID	OJ000350_07.0310.C30
Gene No.	93894	Strand	+
Start	263	End	3197
Name	OJ000350_07.0310.C30.o1.np	Method	AAT/NAP
Start	968	End	3197
GI	6728879	Score	328
Exons	968..1078, 1298..1398, 1463..1579, 1679..1829, 1974..2246, 3163..3197		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	44544	Seq. ID	OJ000350_07.0310.C31
Gene No.	93895	Strand	+
Start	518	End	1312
Name	OJ000350_07.0310.C31.o1.gs	Method	GENSCAN
Start	518	End	1312
GI	none	Score	.87
Exons	518..657, 736..847, 1168..1312		

Seq. No.	44544	Seq. ID	OJ000350_07.0310.C31
Gene No.	93895	Strand	+
Start	518	End	1312
Name	OJ000350_07.0310.C31.o1.tm	Method	TBLASTX:Maize
Start	734	End	931
GI	none	Score	247
Exons	734..928, 751..927, 785..931		

Seq. No.	44545	Seq. ID	OJ000350_07.0310.C32
Gene No.	93896	Strand	+
Start	358	End	5866
Name	OJ000350_07.0310.C32.o1.gs	Method	GENSCAN
Start	358	End	5866
GI	none	Score	.56
Exons	358..409, 911..1063, 3737..3777, 4867..5002, 5724..5866		

Seq. No.	44545	Seq. ID	OJ000350_07.0310.C32
Gene No.	93897	Strand	-
Start	1135	End	4103
Name	OJ000350_07.0310.C32.o1.np	Method	AAT/NAP
Start	1135	End	4103
GI	3283026	Score	49
Exons	1135..1362, 4003..4103		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	44545	Seq. ID	OJ000350_07.0310.C32
Gene No.	93898	Strand	-
Start	7689	End	9087
Name	OJ000350_07.0310.C32.o2.gs	Method	GENSCAN
Start	7689	End	9087
GI	none	Score	.47
Exons	7689..7814, 8075..8289, 8632..8756, 8987..9087		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o2.tm	Method	TBLASTX:Maize
Start	117	End	449
GI	none	Score	68
Exons	117..197, 118..198, 194..310, 195..311, 409..444, 411..449		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o1.tc	Method	TBLASTX:Cress
Start	209	End	1064
GI	none	Score	61
Exons	209..313, 415..444, 449..967, 972..1064		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o1.gs	Method	GENSCAN
Start	434	End	982
GI	none	Score	.71
Exons	434..595, 674..982		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o1.np	Method	AAT/NAP
Start	503	End	1090
GI	3283026	Score	265
Exons	503..1090		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o2.np	Method	AAT/NAP
Start	503	End	2900
GI	3283026	Score	264
Exons	503..1052, 2860..2900		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o1.tm	Method	TBLASTX:Maize
Start	629	End	970
GI	none	Score	39
Exons	629..742, 629..817, 717..815, 854..955, 892..963, 893..970		

Seq. No.	44546	Seq. ID	OJ000350_07.0310.C33
Gene No.	93899	Strand	-
Start	434	End	2900
Name	OJ000350_07.0310.C33.o2.gs	Method	GENSCAN
Start	2055	End	2777
GI	none	Score	.84
Exons	2055..2472, 2677..2777		

Seq. No.	44547	Seq. ID	OJ000350_07.0310.C34
Gene No.	93900	Strand	-
Start	1	End	2196
Name	OJ000350_07.0310.C34.o1.np	Method	AAT/NAP
Start	1	End	2196
GI	4538624	Score	81
Exons	1..27, 1935..2196		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	44548	Seq. ID	OJ000350_07.0310.C35
Gene No.	93901	Strand	-
Start	1	End	705
Name	OJ000350_07.0310.C35.o1.np	Method	AAT/NAP
Start	1	End	705
GI	2498930	Score	758
Exons	1..424, 592..705		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	44548	Seq. ID	OJ000350_07.0310.C35
Gene No.	93901	Strand	-
Start	1	End	705
Name	OJ000350_07.0310.C35.o1.gs	Method	GENSCAN
Start	3	End	651
GI	none	Score	1
Exons	3..424, 592..651		

Seq. No.	44549	Seq. ID	OJ000350_03.0310.C2
Gene No.	93902	Strand	+
Start	1	End	2841
Name	OJ000350_03.0310.C2.o1.np	Method	AAT/NAP

Start	1	End	2841
GI	6815062	Score	1292
Exons	1..200, 369..431, 523..1380, 1466..1707, 1766..2075, 2152..2250, 2321..2371, 2471..2645, 2818..2841		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	44549	Seq. ID	OJ000350_03.0310.C2
Gene No.	93902	Strand	+
Start	1	End	2841
Name	OJ000350_03.0310.C2.o1.gs	Method	GENSCAN
Start	341	End	2687
GI	none	Score	.85
Exons	341..431, 523..1380, 1617..1675, 1781..1873, 1934..2075, 2152..2212, 2321..2687		

Seq. No.	44549	Seq. ID	OJ000350_03.0310.C2
Gene No.	93902	Strand	+
Start	1	End	2841
Name	OJ000350_03.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	1479	End	2075
GI	none	Score	207
Exons	1479..1676, 1517..1675, 1773..1850, 1890..2075		

Seq. No.	44550	Seq. ID	OJ000350_03.0310.C7
Gene No.	93903	Strand	+
Start	110	End	253
Name	OJ000350_03.0310.C7.o1.gs	Method	GENSCAN
Start	110	End	253
GI	none	Score	.62
Exons	110..253		

Seq. No.	44550	Seq. ID	OJ000350_03.0310.C7
Gene No.	93904	Strand	-
Start	607	End	1206
Name	OJ000350_03.0310.C7.o1.np	Method	AAT/NAP
Start	576	End	1206
GI	2952326	Score	104
Exons	576..852, 1109..1206		
GI Descrip.	(AF049888) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]		

Seq. No.	44550	Seq. ID	OJ000350_03.0310.C7
Gene No.	93904	Strand	-
Start	607	End	1206
Name	OJ000350_03.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	607	End	1204
GI	none	Score	59
Exons	607..696, 611..733, 713..853, 721..858, 751..855, 1160..1204		

Seq. No.	44550	Seq. ID	OJ000350_03.0310.C7
Gene No.	93904	Strand	-
Start	607	End	1206
Name	OJ000350_03.0310.C7.o2.gs	Method	GENSCAN
Start	607	End	852
GI	none	Score	.72

Exons	607..852		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93905	Strand.	+
Start	781	End	852
Name	OJ000350_03.0310.C8.o1.gp	Method	AAT/GAP
Start	781	End	852
GI	4715947	Score	83
Exons	781..852		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93906	Strand	+
Start	6232	End	6609
Name	OJ000350_03.0310.C8.o4.gp	Method	AAT/GAP
Start	6232	End	6609
GI	none	Score	712
Exons	6232..6609		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93907	Strand	+
Start	9612	End	11254
Name	OJ000350_03.0310.C8.o3.gs	Method	GENSCAN
Start	9612	End	11254
GI	none	Score	.85
Exons	9612..9650, 9849..9982, 10116..10285, 10507..10634, 10990..11133, 11252..11254		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93908	Strand	+
Start	13624	End	14218
Name	OJ000350_03.0310.C8.o5.gs	Method	GENSCAN
Start	13624	End	14218
GI	none	Score	.51
Exons	13624..13870, 13959..13988, 14094..14218		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93909	Strand	+
Start	23473	End	29321
Name	OJ000350_03.0310.C8.o4.np	Method	AAT/NAP
Start	23473	End	26114
GI	6730725	Score	443
Exons	23473..24340, 24472..24525, 24613..24724, 25800..25852, 25974..26114		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		
Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93909	Strand	+
Start	23473	End	29321
Name	OJ000350_03.0310.C8.o8.gs	Method	GENSCAN
Start	23473	End	29321
GI	none	Score	.82
Exons	23473..24310, 24347..24525, 24613..24724, 26904..26967,		

27124..27259, 27348..27580, 27671..28035, 28068..28174, 28596..29321

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93909	Strand	+
Start	23473	End	29321
Name	OJ000350_03.0310.C8.o5.np	Method	AAT/NAP
Start	25407	End	29306
GI	7486402	Score	637
Exons	25407..25438, 27674..28039, 28613..28881, 28927..29306		
GI Descrip.	hypothetical protein F4D11.10 - Arabidopsis thaliana gi|3063691|emb|CAA18582.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270226|emb|CAB79996.1| (AL161582) putative protein [Arabidopsis thaliana]		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93910	Strand	-
Start	1	End	5186
Name	OJ000350_03.0310.C8.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	2688828	Score	200
Exons	1..278, 867..1094		
GI Descrip.	(U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93910	Strand	-
Start	1	End	5186
Name	OJ000350_03.0310.C8.o1.gs	Method	GENSCAN
Start	78	End	5186
GI	none	Score	.44
Exons	78..278, 867..1173, 2157..2240, 3162..3403, 3904..4231, 4431..4626, 4928..5186		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93910	Strand	-
Start	1	End	5186
Name	OJ000350_03.0310.C8.o2.gp	Method	AAT/GAP
Start	2974	End	3955
GI	uC-osrocyp017g10a1	Score	860
Exons	2974..3403, 3904..3955		
GI Descrip.	'2688828 3.0e-15 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93910	Strand	-
Start	1	End	5186
Name	OJ000350_03.0310.C8.o3.gp	Method	AAT/GAP
Start	4126	End	5169
GI	8671_1.R1084	Score	1125
Exons	4126..4231, 4359..4626, 4938..5169		
GI Descrip.	'2688828 6.0e-19 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93911	Strand	-
Start	5602	End	8049

Name	OJ000350_03.0310.C8.o2.gs	Method	GENSCAN
Start	5602	End	8004
GI	none	Score	.82
Exons	5602..5793, 6601..6762, 6883..7207, 7427..7686, 7780..8004		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93911	Strand	-
Start	5602	End	8049
Name	OJ000350_03.0310.C8.o5.gp	Method	AAT/GAP
Start	7510	End	8049
GI	6138_1.R1084	Score	678
Exons	7510..7686, 7780..8049		
GI Descrip.	'629561/pir||S44261 4.0e-11 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana] >gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93912	Strand	-
Start	8474	End	8976
Name	OJ000350_03.0310.C8.o6.gp	Method	AAT/GAP
Start	8474	End	8976
GI	3767039	Score	534
Exons	8474..8621, 8818..8976		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93913	Strand	-
Start	9320	End	17484
Name	OJ000350_03.0310.C8.o2.np	Method	AAT/NAP
Start	9320	End	17448
GI	2688828	Score	647
Exons	9320..9559, 16603..17071, 17114..17448		
GI Descrip.	(U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93913	Strand	-
Start	9320	End	17484
Name	OJ000350_03.0310.C8.o7.gp	Method	AAT/GAP
Start	9363	End	11675
GI	LIB3434-011-P1-K1-D6	Score	900
Exons	9363..9559, 11374..11675		
GI Descrip.	'5430761/gb|AAD43161.1|AC007504_16 7.0e-40 (AC007504) Similar to ethylene-forming-enzyme-like dioxygenase [Arabidopsis thaliana]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93913	Strand	-
Start	9320	End	17484
Name	OJ000350_03.0310.C8.o4.gs	Method	GENSCAN
Start	11314	End	12486
GI	none	Score	.67
Exons	11314..11701, 11900..12159, 12268..12486		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93913	Strand	-
Start	9320	End	17484
Name	OJ000350_03.0310.C8.o6.gs	Method	GENSCAN

Start	15662	End	17484
GI	none	Score	.53
Exons	15662..15808, 15839..15926, 16583..17484		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93914	Strand	-
Start	19128	End	22947
Name	OJ000350_03.0310.C8.o8.gp	Method	AAT/GAP
Start	18818	End	21889
GI	1987_1.R1084	Score	1575
Exons	18818..19150, 19243..19355, 19849..19920, 20528..20578, 21013..21100, 21181..21304, 21637..21709, 21841..21889		
GI Descrip.	'4567247/gb|AAD23661.1|AC007070_10 6.0e-37 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93914	Strand	-
Start	19128	End	22947
Name	OJ000350_03.0310.C8.o7.gs	Method	GENSCAN
Start	19128	End	22947
GI	none	Score	.89
Exons	19128..19150, 19243..19355, 19849..19920, 20528..20663, 21181..21304, 21637..21709, 21841..21901, 22085..22275, 22651..22832, 22837..22947		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93914	Strand	-
Start	19128	End	22947
Name	OJ000350_03.0310.C8.o3.np	Method	AAT/NAP
Start	19238	End	22778
GI	4567247	Score	803
Exons	19238..19314, 19838..19920, 20528..20578, 21013..21100, 21181..21304, 21637..21709, 21841..21901, 22085..22275, 22360..22409, 22499..22562, 22651..22778		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93914	Strand	-
Start	19128	End	22947
Name	OJ000350_03.0310.C8.o9.gp	Method	AAT/GAP
Start	22109	End	22869
GI	22048_1.R1084	Score	932
Exons	22109..22275, 22360..22409, 22499..22562, 22651..22869		
GI Descrip.	'4567247/gb|AAD23661.1|AC007070_10 2.0e-32 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o2.tc	Method	TBLASTX:Cress
Start	18	End	17259
GI	none	Score	47
Exons	18..155, 69..155, 163..270, 186..272, 3901..4122, 4358..4492, 4359..4493, 4523..4603, 6520..6768, 6575..6754, 6877..7077, 7426..7563, 7591..7689, 9317..9565, 11366..11560, 11371..11568, 11899..12036, 12064..12162, 16597..16797, 16667..16789, 16855..17061, 17125..17259		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o6.ts	Method	TBLASTX:Soybean
Start	18	End	25934
GI	none	Score	56
Exons	18..197, 177..278, 4358..4543, 7417..7578, 7585..7686, 11863..12084, 12058..12159, 16813..17061, 17119..17259, 25683..25769, 25875..25934		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o2.tm	Method	TBLASTX:Maize
Start	32	End	17259
GI	none	Score	151
Exons	32..226, 36..272, 39..278, 40..279, 861..923, 906..974, 1014..1070, 3161..3268, 3266..3409, 3318..3410, 3901..3990, 3901..4146, 4043..4210, 4192..4233, 4379..4603, 4380..4604, 4935..4991, 5001..5045, 6515..6754, 6520..6768, 6553..6771, 6874..7074, 6877..7161, 7445..7687, 7447..7686, 7459..7698, 7711..7836, 7744..7836, 7840..7869, 9314..9565, 9321..9560, 9347..9565, 11366..11596, 11371..11619, 11371..11619, 11626..11703, 11920..12159, 11921..12160, 11979..12161, 12260..12427, 12265..12435, 15800..15925, 16597..16662, 16597..16905, 16655..16885, 16951..17076, 17009..17068, 17119..17259, 17135..17248		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o3.ts	Method	TBLASTX:Soybean
Start	3161	End	16797
GI	none	Score	65
Exons	3161..3262, 3260..3409, 3901..4119, 6523..6768, 6587..6754, 6877..7200, 9320..9565, 9362..9562, 11371..11583, 11371..11583, 11384..11596, 15812..15925, 16597..16797, 16667..16789		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o3.tw	Method	TBLASTX:Wheat
Start	3904	End	16845
GI	none	Score	58
Exons	3904..3942, 3952..4092, 4187..4204, 6877..6936, 6919..7209, 6932..7003, 6946..7143, 11422..11562, 11423..11560, 16666..16845, 16667..16789		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o4.tm	Method	TBLASTX:Maize
Start	19233	End	22193
GI	none	Score	161
Exons	19233..19358, 19238..19348, 19838..19918, 19849..19923, 19851..19919, 20525..20596, 20527..20577, 21012..21104,		

21012..21104, 21182..21304, 21183..21257, 21185..21328,
21609..21710, 21632..21730, 21634..21735, 21637..21711,
21823..21903, 21843..21902, 22078..22167, 22083..22193

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o7.ts	Method	TBLASTX:Soybean
Start	19238	End	21268
GI	none	Score	91
Exons	19238..19348, 19239..19364, 19851..19919, 20527..20577, 20531..20569, 21012..21104, 21013..21075, 21182..21268, 21182..21268		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o4.tc	Method	TBLASTX:Cress
Start	19851	End	22139
GI	none	Score	68
Exons	19851..19919, 20527..20577, 20537..20569, 21012..21104, 21182..21298, 21182..21304, 21199..21300, 21612..21710, 21635..21730, 21637..21711, 21823..21900, 21843..21899, 22086..22139		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o4.ts	Method	TBLASTX:Soybean
Start	21855	End	22701
GI	none	Score	73
Exons	21855..21902, 21856..21903, 22078..22167, 22083..22181, 22155..22265, 22177..22254, 22204..22284, 22360..22407, 22362..22412, 22505..22564, 22506..22565, 22650..22700, 22654..22701		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o3.tm	Method	TBLASTX:Maize
Start	22197	End	22809
GI	none	Score	81
Exons	22197..22265, 22198..22254, 22201..22284, 22202..22285, 22202..22294, 22203..22292, 22360..22410, 22362..22409, 22496..22564, 22497..22559, 22508..22567, 22650..22712, 22651..22713, 22752..22808, 22753..22809		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o2.ts	Method	TBLASTX:Soybean
Start	27525	End	28703
GI	none	Score	44
Exons	27525..27590, 27668..27781, 27669..27800, 27825..28031, 27980..28030, 28518..28703, 28595..28702		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8

Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o5.tc	Method	TBLASTX:Cress
Start	27690	End	28034
GI	none	Score	95
Exons	27690..27797, 27828..28034		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o5.tm	Method	TBLASTX:Maize
Start	27951	End	29282
GI	none	Score	87
Exons	27951..28049, 28949..29089, 28950..29189, 28959..29171, 29211..29282		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o2.tw	Method	TBLASTX:Wheat
Start	28794	End	29207
GI	none	Score	82
Exons	28794..28859, 28950..29024, 28961..29029, 29018..29095, 29019..29207, 29019..29117		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o3.tc	Method	TBLASTX:Cress
Start	28950	End	29285
GI	none	Score	312
Exons	28950..29285, 28970..29092		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o5.ts	Method	TBLASTX:Soybean
Start	28950	End	29102
GI	none	Score	213
Exons	28950..29102, 28970..29092		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o10.gp	Method	AAT/GAP
Start	30530	End	31300
GI	8546_2.R1084	Score	1183
Exons	30530..31300		
GI Descrip.	'5091520/dbj|BAA78755.1| 4.0e-59 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o1.tm	Method	TBLASTX:Maize

Start	30745	End	31522
GI	none	Score	357
Exons	30745..31059, 30755..31129, 31057..31521, 31058..31207, 31249..31320, 31259..31522		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o9.gs	Method	GENSCAN
Start	30760	End	31512
GI	none	Score	.99
Exons	30760..31512		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o6.np	Method	AAT/NAP
Start	30763	End	31512
GI	5091520	Score	1264
Exons	30763..31512		
GI Descrip.	(AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o1.tc	Method	TBLASTX:Cress
Start	30766	End	31513
GI	none	Score	55
Exons	30766..30843, 30767..30844, 30856..31512, 30857..31207, 31259..31369, 31424..31513		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o1.ts	Method	TBLASTX:Soybean
Start	30856	End	31513
GI	none	Score	78
Exons	30856..30948, 30857..30940, 30949..31512, 30950..31207, 31259..31513		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	30884	End	31522
GI	none	Score	436
Exons	30884..31207, 30886..31302, 31249..31302, 31259..31303, 31426..31521, 31427..31522		

Seq. No.	44551	Seq. ID	OJ000350_03.0310.C8
Gene No.	93915	Strand	-
Start	30530	End	31605
Name	OJ000350_03.0310.C8.o11.gp	Method	AAT/GAP
Start	31249	End	31605

GI	31845_2.R1084	Score	676
Exons	31249..31605		
GI Descrip.	'5091520/dbj|BAA78755.1| 1.0e-27 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	44552	Seq. ID	OJ000350_03.0310.C9
Gene No.	93916	Strand	-
Start	673	End	1265
Name	OJ000350_03.0310.C9.o1.gp	Method	AAT/GAP
Start	673	End	1265
GI	10341_1.R1084	Score	504
Exons	673..948, 1242..1265		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	44553	Seq. ID	OJ000350_03.0310.C10
Gene No.	93917	Strand	+
Start	8345	End	13006
Name	OJ000350_03.0310.C10.o1.np	Method	AAT/NAP
Start	8345	End	12678
GI	7436042	Score	3653
Exons	8345..8597, 9992..10566, 10708..11087, 11190..11276, 11362..11692, 11825..12235, 12319..12378, 12475..12678		
GI Descrip.	inorganic pyrophosphatase (EC 3.6.1.1), H+-translocating, vacuolar membrane (clone OVP2) - rice gi|1747296|dbj|BAA08233.1| (D45384) vacuolar H+-pyrophosphatase [Oryza sativa] gi|3298476|dbj|BAA31524.1| (AB012766) ovp2 [Oryza sativa]		

Seq. No.	44553	Seq. ID	OJ000350_03.0310.C10
Gene No.	93917	Strand	+
Start	8345	End	13006
Name	OJ000350_03.0310.C10.o4.gs	Method	GENSCAN
Start	8345	End	12681
GI	none	Score	.87
Exons	8345..8705, 9992..10566, 10708..11087, 11190..11276, 11362..11692, 11825..12235, 12319..12378, 12475..12681		

Seq. No.	44553	Seq. ID	OJ000350_03.0310.C10
Gene No.	93918	Strand	-
Start	5247	End	7565
Name	OJ000350_03.0310.C10.o3.gs	Method	GENSCAN
Start	5247	End	7565
GI	none	Score	.63
Exons	5247..5416, 7541..7565		

Seq. No.	44553	Seq. ID	OJ000350_03.0310.C10
Gene No.	93919	Strand	-
Start	13693	End	16620
Name	OJ000350_03.0310.C10.o5.gs	Method	GENSCAN
Start	13693	End	16397
GI	none	Score	.98
Exons	13693..14034, 14136..14235, 14489..14614, 14691..14880,		

14994..15227, 15529..15712, 15779..15962, 16048..16397

Seq. No.	44553	Seq. ID	OJ000350_03.0310.C10
Gene No.	93919	Strand	-
Start	13693	End	16620
Name	OJ000350_03.0310.C10.o2.np	Method	AAT/NAP
Start	13696	End	16340
GI	6562297	Score	1058
Exons	13696..14034, 14136..14235, 14489..14614, 14691..14880, 14994..15227, 15529..15677, 15779..15962, 16048..16084, 16182..16340		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93920	Strand	+
Start	18	End	290
Name	OJ000350_03.0310.C11.o1.gs	Method	GENSCAN
Start	18	End	290
GI	none	Score	.99
Exons	18..290		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93921	Strand	+
Start	9175	End	13727
Name	OJ000350_03.0310.C11.o4.gs	Method	GENSCAN
Start	9175	End	10935
GI	none	Score	1
Exons	9175..10935		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93921	Strand	+
Start	9175	End	13727
Name	OJ000350_03.0310.C11.o2.np	Method	AAT/NAP
Start	9179	End	13727
GI	6957728	Score	905
Exons	9179..9639, 9706..10094, 10159..10898, 13683..13727		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93922	Strand	+
Start	15415	End	15804
Name	OJ000350_03.0310.C11.o3.gp	Method	AAT/GAP
Start	15415	End	15804
GI	none	Score	776
Exons	15415..15804		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93923	Strand	+
Start	22292	End	22598
Name	OJ000350_03.0310.C11.o6.gs	Method	GENSCAN
Start	22292	End	22598
GI	none	Score	.57
Exons	22292..22483, 22524..22598		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93924	Strand	+
Start	28461	End	28538

Name	OJ000350_03.0310.C11.o4.gp	Method	AAT/GAP
Start	28461	End	28538
GI	5867_1.R1084	Score	88
Exons	28461..28538		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93925	Strand	-
Start	1858	End	4849
Name	OJ000350_03.0310.C11.o2.gs	Method	GENSCAN
Start	1858	End	4849
GI	none	Score	.71
Exons	1858..2089, 2795..3684, 4766..4849		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93925	Strand	-
Start	1858	End	4849
Name	OJ000350_03.0310.C11.o1.np	Method	AAT/NAP
Start	1861	End	4637
GI	6730730	Score	1490
Exons	1861..2338, 2795..3684, 4308..4637		
GI Descrip.	(AC018849) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93926	Strand	-
Start	6199	End	7986
Name	OJ000350_03.0310.C11.o3.gs	Method	GENSCAN
Start	6199	End	7986
GI	none	Score	.58
Exons	6199..6323, 6818..6965, 7139..7282, 7879..7986		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93927	Strand	-
Start	14313	End	20657
Name	OJ000350_03.0310.C11.o5.gs	Method	GENSCAN
Start	14313	End	20657
GI	none	Score	.61
Exons	14313..14480, 14584..14715, 15882..16362, 16757..16953, 17555..17755, 18376..18471, 18973..19056, 19340..19547, 19895..19931, 20336..20419, 20597..20657		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93927	Strand	-
Start	14313	End	20657
Name	OJ000350_03.0310.C11.o3.np	Method	AAT/NAP
Start	15792	End	17704
GI	4874313	Score	719
Exons	15792..16362, 16757..16953, 17555..17704		
GI Descrip.	(AC006053) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93928	Strand	-
Start	23865	End	29530
Name	OJ000350_03.0310.C11.o7.gs	Method	GENSCAN
Start	23865	End	29073
GI	none	Score	.76
Exons	23865..23947, 25303..25437, 25945..26148, 26871..26939, 27047..27202, 27748..27888, 27921..28019, 28181..28250, 28765..29073		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93928	Strand	-
Start	23865	End	29530
Name	OJ000350_03.0310.C11.o4.np	Method	AAT/NAP
Start	24718	End	29530
GI	6815072	Score	293
Exons	24718..24900, 29468..29530		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93928	Strand	-
Start	23865	End	29530
Name	OJ000350_03.0310.C11.o5.np	Method	AAT/NAP
Start	24900	End	27813
GI	4432858	Score	461
Exons	24900..25776, 25865..26174, 26824..26932, 27037..27239, 27773..27813		
GI Descrip.	(AC006300) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o5.tm	Method	TBLASTX:Maize
Start	2764	End	3102
GI	none	Score	108
Exons	2764..3012, 2781..3041, 2794..3042, 2870..3040, 3010..3102, 3029..3073		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o6.tc	Method	TBLASTX:Cress
Start	3502	End	4694
GI	none	Score	135
Exons	3502..3684, 3503..3676, 4305..4694		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o2.tw	Method	TBLASTX:Wheat
Start	10006	End	10238
GI	none	Score	64
Exons	10006..10044, 10063..10236, 10083..10238		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11

Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o7.tm	Method	TBLASTX:Maize
Start	10125	End	10443
GI	none	Score	184
Exons	10125..10262, 10126..10263, 10138..10266, 10327..10443, 10329..10442		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o7.ts	Method	TBLASTX:Soybean
Start	10645	End	10905
GI	none	Score	220
Exons	10645..10905, 10647..10751, 10785..10898		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	15796	End	16801
GI	none	Score	82
Exons	15796..15897, 15798..15890, 15867..16373, 15885..16367, 16754..16801		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	15807	End	16055
GI	none	Score	120
Exons	15807..15887, 15864..16055, 15886..16053, 15888..16055		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o3.tc	Method	TBLASTX:Cress
Start	15807	End	16373
GI	none	Score	77
Exons	15807..16160, 15954..16160, 16131..16367, 16131..16373		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o1.ts	Method	TBLASTX:Soybean
Start	15942	End	16965
GI	none	Score	174
Exons	15942..16238, 15945..16373, 16276..16365, 16751..16798, 16834..16965, 16847..16954		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o6.tm	Method	TBLASTX:Maize
Start	17552	End	17777
GI	none	Score	234
Exons	17552..17755, 17553..17777, 17553..17756		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o8.ts	Method	TBLASTX:Soybean
Start	17552	End	17755
GI	none	Score	127
Exons	17552..17731, 17552..17716, 17708..17755		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o6.ts	Method	TBLASTX:Soybean
Start	24899	End	26140
GI	none	Score	80
Exons	24899..24964, 24983..25102, 25115..25573, 25115..25522, 25115..25522, 25187..25498, 25187..25429, 26009..26140		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o5.tc	Method	TBLASTX:Cress
Start	24926	End	26149
GI	none	Score	81
Exons	24926..25111, 24968..25135, 24974..25120, 25100..25138, 25104..25379, 25109..25225, 25109..25453, 25112..25513, 25115..25522, 25115..25513, 25187..25522, 25187..25525, 25187..25369, 25187..25525, 25190..25525, 25190..25525, 25259..25528, 25538..25600, 25673..25831, 25697..25825, 25982..26149, 26003..26119, 26009..26137		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o8.tm	Method	TBLASTX:Maize
Start	25101	End	26137
GI	none	Score	58
Exons	25101..25226, 25109..25225, 25115..25552, 25115..25522, 25187..25513, 25260..25346, 25280..25525, 25421..25525, 25550..25675, 26003..26119, 26009..26137		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o6.np	Method	AAT/NAP
Start	29919	End	31733
GI	4586068	Score	582
Exons	29919..30215, 30267..30451, 31367..31733		
GI Descrip.	(AC006194) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o8.gs	Method	GENSCAN
Start	29934	End	30451
GI	none	Score	.87
Exons	29934..30451		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o3.tm	Method	TBLASTX:Maize
Start	29940	End	31412
GI	none	Score	321
Exons	29940..30452, 29950..30468, 31350..31412		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o2.ts	Method	TBLASTX:Soybean
Start	29949	End	31412
GI	none	Score	273
Exons	29949..30452, 29950..30453, 31362..31412		

Seq. No.	44554	Seq. ID	OJ000350_03.0310.C11
Gene No.	93929	Strand	-
Start	29934	End	31733
Name	OJ000350_03.0310.C11.o1.tc	Method	TBLASTX:Cress
Start	29982	End	30443
GI	none	Score	296
Exons	29982..30443, 30043..30435		

Seq. No.	44555	Seq. ID	OJ000350_02.0314.C13
Gene No.	93930	Strand	+
Start	1	End	400
Name	OJ000350_02.0314.C13.o1.gs	Method	GENSCAN
Start	1	End	400
GI	none	Score	.54
Exons	1..11, 289..400		

Seq. No.	44555	Seq. ID	OJ000350_02.0314.C13
Gene No.	93930	Strand	+
Start	1	End	400
Name	OJ000350_02.0314.C13.o1.gp	Method	AAT/GAP
Start	51	End	362
GI	17582_1.R1084	Score	565
Exons	51..362		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44555	Seq. ID	OJ000350_02.0314.C13
Gene No.	93931	Strand	-
Start	275	End	790
Name	OJ000350_02.0314.C13.o1.np	Method	AAT/NAP
Start	275	End	790
GI	4582434	Score	85
Exons	275..361, 704..790		
GI Descrip.	(AC007196) putative snRNP splicing factor [Arabidopsis thaliana]		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o4.tm	Method	TBLASTX:Maize
Start	296	End	4859

GI	none	Score	48
Exons	296..343, 4651..4728, 4659..4700, 4707..4859, 4717..4845, 4722..4850		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.gs	Method	GENSCAN
Start	320	End	11833
GI	none	Score	.59
Exons	320..1367, 2116..2159, 2678..2825, 2923..3184, 4106..4216, 4607..4697, 4859..5147, 5417..5707, 6216..6495, 7112..7159, 10852..10966, 11300..11379, 11548..11833		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o2.tc	Method	TBLASTX:Cress
Start	725	End	5673
GI	none	Score	65
Exons	725..892, 905..970, 983..1039, 1076..1318, 4910..5092, 5277..5351, 5365..5457, 5369..5467, 5506..5673, 5564..5653		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o2.ts	Method	TBLASTX:Soybean
Start	819	End	5799
GI	none	Score	100
Exons	819..971, 821..970, 981..1037, 1043..1234, 1161..1244, 1235..1309, 1251..1310, 5280..5321, 5368..5430, 5542..5655, 5660..5677, 5770..5799		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o3.tm	Method	TBLASTX:Maize
Start	896	End	5689
GI	none	Score	129
Exons	896..976, 1068..1235, 1076..1234, 1235..1348, 1260..1349, 5274..5324, 5369..5494, 5377..5514, 5476..5655, 5582..5656, 5610..5654, 5645..5689		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.np	Method	AAT/NAP
Start	1064	End	5687
GI	7428022	Score	902
Exons	1064..1182, 2243..2429, 2678..2825, 2923..3157, 3444..3656, 3755..3885, 4430..5687		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) KIK1 precursor - maize gi|2735017|gb|AAB93834.1| (U82481) KI domain interacting kinase 1 [Zea mays]		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-

Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.tc	Method	TBLASTX:Cress
Start	2289	End	3668
GI	none	Score	70
Exons	2289..2417, 2699..2767, 2768..2821, 2883..3086, 2923..3018, 2925..3152, 3448..3591, 3449..3595, 3579..3668, 3580..3657		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.tm	Method	TBLASTX:Maize
Start	2723	End	3137
GI	none	Score	58
Exons	2723..2767, 2774..2824, 2775..2825, 2784..2825, 2885..3025, 2919..3137, 2925..3134, 2938..3135		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.ts	Method	TBLASTX:Soybean
Start	2774	End	3522
GI	none	Score	74
Exons	2774..2824, 2775..2825, 2892..3140, 2923..3009, 2924..3088, 2925..3152, 3061..3147, 3448..3522		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o1.tw	Method	TBLASTX:Wheat
Start	2774	End	3098
GI	none	Score	61
Exons	2774..2824, 2775..2825, 2925..3092, 2925..3098		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o2.tw	Method	TBLASTX:Wheat
Start	3099	End	3662
GI	none	Score	118
Exons	3099..3143, 3440..3580, 3448..3582, 3448..3582, 3579..3662, 3580..3657		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o2.tm	Method	TBLASTX:Maize
Start	3448	End	3853
GI	none	Score	128
Exons	3448..3582, 3452..3580, 3454..3582, 3579..3662, 3580..3657, 3755..3853		

Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o3.ts	Method	TBLASTX:Soybean
Start	3523	End	3853
GI	none	Score	61

Exons	3523..3582, 3524..3580, 3579..3662, 3580..3657, 3755..3853		
Seq. No.	44556	Seq. ID	OJ000350_02.0314.C15
Gene No.	93932	Strand	-
Start	320	End	11833
Name	OJ000350_02.0314.C15.o2.np	Method	AAT/NAP
Start	4605	End	6157
GI	478421	Score	271
Exons	4605..5747, 6023..6157		
GI Descrip.	S-locus-specific glycoprotein precursor - rape gi|1076455|pir||S42280 S-locus glycoprotein - rape gi|167170 (L08608) S-locus glycoprotein [Brassica napus] gi|904227 (L10736) S-locus related glycoprotein [Brassica napus] gi|2285898|emb|CAA79734| (Z21608) glycoprotein [Brassica napus]		
Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93933	Strand	+
Start	11852	End	12191
Name	OJ000350_02.0314.C16.o1.gp	Method	AAT/GAP
Start	11852	End	12191
GI	none	Score	621
Exons	11852..12191		
Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93934	Strand	+
Start	12116	End	14301
Name	OJ000350_02.0314.C16.o2.np	Method	AAT/NAP
Start	12116	End	12764
GI	7486797	Score	341
Exons	12116..12764		
GI Descrip.	hypothetical protein M4I22.120 - Arabidopsis thaliana gi|3269292|emb|CAA19725.1| (AL030978) putative protein [Arabidopsis thaliana] gi|7269584|emb|CAB79586.1| (AL161566) putative protein [Arabidopsis thaliana]		
Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93934	Strand	+
Start	12116	End	14301
Name	OJ000350_02.0314.C16.o2.gp	Method	AAT/GAP
Start	12426	End	14301
GI	38389_1.R1084	Score	1768
Exons	12426..12649, 12877..13121, 13283..13336, 13867..14301		
GI Descrip.	'4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]'		
Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93935	Strand	+
Start	20541	End	24784
Name	OJ000350_02.0314.C16.o2.gs	Method	GENSCAN
Start	20541	End	24784
GI	none	Score	.73
Exons	20541..20750, 20862..21027, 21096..21217, 22042..22090, 22374..22456, 23423..23520, 23945..24032, 24164..24280, 24443..24784		
Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93935	Strand	+

Start	20541	End	24784
Name	OJ000350_02.0314.C16.o3.np	Method	AAT/NAP
Start	20553	End	24781
GI	4454484	Score	1324
Exons	20553..20750, 20862..20984, 21089..21217, 21428..21513, 21809..21926, 22030..22090, 22374..22456, 22949..23016, 23443..23520, 23945..24032, 24164..24280, 24443..24781		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93936	Strand	+
Start	27424	End	27878
Name	OJ000350_02.0314.C16.o3.gp	Method	AAT/GAP
Start	27424	End	27878
GI	2311773	Score	741
Exons	27424..27878		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93937	Strand	+
Start	31838	End	32684
Name	OJ000350_02.0314.C16.o5.gs	Method	GENSCAN
Start	31838	End	32684
GI	none	Score	.62
Exons	31838..31920, 32105..32126, 32231..32336, 32409..32493, 32633..32684		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93938	Strand	-
Start	4318	End	7539
Name	OJ000350_02.0314.C16.o1.np	Method	AAT/NAP
Start	4318	End	7539
GI	6630682	Score	348
Exons	4318..4525, 7486..7539		
GI Descrip.	(AP000969) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815074|dbj|BAA90361.1| (AP001080) EST D22716(C1010) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93939	Strand	-
Start	25971	End	26255
Name	OJ000350_02.0314.C16.o4.np	Method	AAT/NAP
Start	25971	End	26255
GI	7228438	Score	196
Exons	25971..26255		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93940	Strand	-
Start	28741	End	31010
Name	OJ000350_02.0314.C16.o4.gs	Method	GENSCAN
Start	28741	End	31010
GI	none	Score	.44
Exons	28741..29027, 30325..30358, 30774..31010		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93940	Strand	-
Start	28741	End	31010
Name	OJ000350_02.0314.C16.o5.np	Method	AAT/NAP
Start	30741	End	30992
GI	7488223	Score	144
Exons	30741..30992		
GI Descrip.	probable wound-induced protein T9A4.6 - Arabidopsis thaliana gi|3695408|gb|AAC62808.1| (AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana] gi|7267724|emb|CAB78150.1| (AL161517) probable wound-induced protein [Arabid		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o2.tc	Method	TBLASTX:Cress
Start	12151	End	12334
GI	none	Score	238
Exons	12151..12243, 12152..12334, 12274..12318		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o3.tm	Method	TBLASTX:Maize
Start	12151	End	12331
GI	none	Score	321
Exons	12151..12318, 12152..12331		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o2.ts	Method	TBLASTX:Soybean
Start	12152	End	12334
GI	none	Score	245
Exons	12152..12334, 12160..12318		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o1.tw	Method	TBLASTX:Wheat
Start	20715	End	21222
GI	none	Score	48
Exons	20715..20762, 20859..20990, 20859..20990, 21088..21216, 21089..21217, 21090..21218, 21091..21222		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o3.tc	Method	TBLASTX:Cress
Start	20859	End	21259
GI	none	Score	86
Exons	20859..20939, 21079..21225, 21079..21219, 21086..21259, 21086..21247		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o3.ts	Method	TBLASTX:Soybean
Start	20900	End	21222
GI	none	Score	58
Exons	20900..20986, 20904..20990, 21088..21216, 21089..21217, 21089..21217, 21091..21222		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o4.tm	Method	TBLASTX:Maize
Start	21088	End	21496
GI	none	Score	234
Exons	21088..21216, 21089..21217, 21091..21222, 21427..21492, 21428..21496		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o5.tm	Method	TBLASTX:Maize
Start	21788	End	23987
GI	none	Score	207
Exons	21788..21916, 21789..21914, 21790..21918, 21791..21919, 22040..22096, 22042..22092, 22372..22455, 22373..22465, 22376..22468, 22945..23025, 22946..23050, 22948..23019, 23415..23507, 23438..23512, 23440..23532, 23441..23506, 23943..23987		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o1.tc	Method	TBLASTX:Cress
Start	22039	End	24799
GI	none	Score	94
Exons	22039..22092, 22041..22097, 22372..22455, 22373..22468, 22946..23035, 22951..23019, 23841..23918, 23972..24040, 23973..24041, 24149..24280, 24157..24276, 24168..24290, 24172..24291, 24440..24646, 24440..24589, 24442..24618, 24719..24799, 24721..24780		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o1.tm	Method	TBLASTX:Maize
Start	24161	End	24784
GI	none	Score	201
Exons	24161..24283, 24162..24281, 24163..24282, 24422..24616, 24432..24617, 24439..24624, 24440..24634, 24698..24778, 24713..24784, 24721..24780		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o1.ts	Method	TBLASTX:Soybean

Start	24197	End	24756
GI	none	Score	139
Exons	24197..24280, 24202..24291, 24440..24634, 24448..24624, 24716..24754, 24724..24756		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o2.tw	Method	TBLASTX:Wheat
Start	24506	End	24793
GI	none	Score	206
Exons	24506..24649, 24506..24607, 24507..24614, 24508..24636, 24653..24784, 24698..24793		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o6.gs	Method	GENSCAN
Start	33403	End	35139
GI	none	Score	.77
Exons	33403..33529, 33831..33912, 34795..34975, 35067..35139		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o3.tw	Method	TBLASTX:Wheat
Start	33783	End	35096
GI	none	Score	199
Exons	33783..33905, 33824..33913, 34768..34968, 34793..34987, 34793..34999, 35067..35096		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o4.tc	Method	TBLASTX:Cress
Start	33827	End	35132
GI	none	Score	69
Exons	33827..33913, 34791..34919, 34793..34930, 34842..34976, 35067..35132		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o6.np	Method	AAT/NAP
Start	33833	End	35139
GI	7490363	Score	117
Exons	33833..33912, 34795..34897, 35067..35139		
GI Descrip.	conserved hypothetical protein SPCC1620.10 - fission yeast (Schizosaccharomyces pombe) gi|4008577|emb|CAA22494.1| (AL034491) conserved hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	44557	Seq. ID	OJ000350_02.0314.C16
Gene No.	93941	Strand	-
Start	33403	End	35155
Name	OJ000350_02.0314.C16.o2.tm	Method	TBLASTX:Maize
Start	33869	End	35155

GI	none	Score	203
Exons	33869..33913, 34786..34956, 34793..34987, 34793..34999, 35067..35138, 35067..35141, 35075..35155		

Seq. No.	44558	Seq. ID	OJ000350_02.0314.C17
Gene No.	93942	Strand	-
Start	344	End	3105
Name	OJ000350_02.0314.C17.o2.np	Method	AAT/NAP
Start	344	End	3105
GI	3153821	Score	126
Exons	344..414, 1138..1739, 2141..2210, 2571..2706, 3081..3105		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	44558	Seq. ID	OJ000350_02.0314.C17
Gene No.	93942	Strand	-
Start	344	End	3105
Name	OJ000350_02.0314.C17.o1.gs	Method	GENSCAN
Start	767	End	2804
GI	none	Score	.76
Exons	767..822, 922..986, 1071..1268, 1367..1523, 1666..1944, 2059..2326, 2505..2804		

Seq. No.	44558	Seq. ID	OJ000350_02.0314.C17
Gene No.	93942	Strand	-
Start	344	End	3105
Name	OJ000350_02.0314.C17.o1.np	Method	AAT/NAP
Start	1134	End	2239
GI	267547	Score	143
Exons	1134..1639, 1996..2239		
GI Descrip.	HYPOTHETICAL 52.8 KD PROTEIN R08D7.1 IN CHROMOSOME III gi|102508|pir||S24457 hypothetical protein R08D7.1 - Caenorhabditis elegans gi|3878934|emb|CAA78047.1| (Z12017) predicted using Genefinder; basic-rich; cDNA EST yk328f6.3 comes from this gene; cDNA EST yk328f6.5 comes from this gene; cDNA EST yk393c3.5 comes from this gene; cDNA EST yk641d11.3 comes from this ge		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93943	Strand	+
Start	980	End	4659
Name	OJ000350_02.0314.C18.o1.gs	Method	GENSCAN
Start	980	End	4659
GI	none	Score	.44
Exons	980..990, 2114..2246, 2943..4457, 4519..4659		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93944	Strand	+
Start	13699	End	36714
Name	OJ000350_02.0314.C18.o3.gs	Method	GENSCAN
Start	13699	End	36011
GI	none	Score	.53
Exons	13699..13763, 14035..14445, 14581..15007, 15511..15598, 15820..16027, 16066..16411, 16827..16985, 17529..17576, 17694..17756, 17915..18007, 19221..19371, 20304..20430, 20869..20968, 22273..22326, 22997..23160, 23202..23503, 27395..27539, 29828..29966, 30485..30642, 30823..30913,		

31055..31174, 31259..31327, 31455..31531, 31623..31725,
31809..31916, 32137..32208, 33106..33166, 33323..33405,
33575..33841, 33935..34096, 34215..34367, 34765..34952,
35015..35202, 35214..35555, 35995..36011

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93944	Strand	+
Start	13699	End	36714
Name	OJ000350_02.0314.C18.o3.np	Method	AAT/NAP
Start	16313	End	19376
GI	6692261	Score	449
Exons	16313..16411, 16827..16985, 17715..18007, 18106..18249, 18691..18798, 19090..19141, 19348..19376		
GI Descrip.	(AC010870) putative RNase H [Arabidopsis thaliana]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93944	Strand	+
Start	13699	End	36714
Name	OJ000350_02.0314.C18.o5.np	Method	AAT/NAP
Start	29823	End	36714
GI	5524769	Score	1082
Exons	29823..29966, 30485..30642, 30823..30913, 31055..31174, 31259..31327, 31455..31531, 31623..31725, 31809..31916, 31998..32060, 32137..32208, 32790..32858, 32936..32998, 33106..33166, 33323..33405, 33575..33688, 33767..33841, 36664..36714		
GI Descrip.	(AJ243822) Mre11 protein [Arabidopsis thaliana]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93945	Strand	+
Start	41977	End	47502
Name	OJ000350_02.0314.C18.o5.gs	Method	GENSCAN
Start	41977	End	45649
GI	none	Score	.56
Exons	41977..42027, 44299..44326, 44478..44645, 45621..45649		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93945	Strand	+
Start	41977	End	47502
Name	OJ000350_02.0314.C18.o6.np	Method	AAT/NAP
Start	45136	End	47502
GI	7301646	Score	103
Exons	45136..45222, 47104..47502		
GI Descrip.	(AE003763) CG5514 gene product [Drosophila melanogaster]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93946	Strand	+
Start	48344	End	50859
Name	OJ000350_02.0314.C18.o6.gs	Method	GENSCAN
Start	48344	End	50859
GI	none	Score	.95
Exons	48344..48432, 48507..48561, 48650..48747, 48834..50274, 50342..50461, 50599..50859		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93946	Strand	+
Start	48344	End	50859

Name	OJ000350_02.0314.C18.o6.gp	Method	AAT/GAP
Start	50346	End	50827
GI	none	Score	646
Exons	50346..50461, 50599..50827		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93947	Strand	-
Start	2809	End	4552
Name	OJ000350_02.0314.C18.o1.gp	Method	AAT/GAP
Start	2809	End	3436
GI	5771166	Score	1173
Exons	2809..3436		
GI Descrip.	5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93947	Strand	-
Start	2809	End	4552
Name	OJ000350_02.0314.C18.o1.np	Method	AAT/NAP
Start	2950	End	4502
GI	4138724	Score	1712
Exons	2950..4502		
GI Descrip.	(AJ001061) hexose transporter [Vitis vinifera]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93947	Strand	-
Start	2809	End	4552
Name	OJ000350_02.0314.C18.o2.gp	Method	AAT/GAP
Start	4088	End	4552
GI	2427703	Score	807
Exons	4088..4552		
GI Descrip.	4138722/emb|CAA70777| 8.0e-30 (Y09590) hexose transporter [Vitis vinifera]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93948	Strand	-
Start	5541	End	12460
Name	OJ000350_02.0314.C18.o2.gs	Method	GENSCAN
Start	5541	End	12460
GI	none	Score	.97
Exons	5541..5717, 5794..5910, 6007..6171, 6479..6634, 6840..7067, 7230..7418, 7711..7816, 8172..8305, 9131..9209, 9668..9828, 10689..10796, 11560..11679, 11764..11904, 12413..12460		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93948	Strand	-
Start	5541	End	12460
Name	OJ000350_02.0314.C18.o2.np	Method	AAT/NAP
Start	5595	End	8305
GI	7290189	Score	266
Exons	5595..5850, 6030..6093, 6452..6634, 6840..7067, 7230..7379, 7685..7829, 8197..8305		
GI Descrip.	(AE003421) dor gene product [Drosophila melanogaster]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93948	Strand	-
Start	5541	End	12460

Name	OJ000350_02.0314.C18.o3.gp	Method	AAT/GAP
Start	6827	End	7776
GI	LIB3434-005-P1-K1-D3	Score	847
Exons	6827..7067, 7230..7418, 7711..7776		
GI Descrip.	'5734438/emb|CAB52688.1| 1.0e-49 (AJ132223) hexose transporter [Lycopersicon esculentum]'		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93949	Strand	-
Start	20631	End	23554
Name	OJ000350_02.0314.C18.o4.gp	Method	AAT/GAP
Start	20631	End	23554
GI	17582_1.R1084	Score	1098
Exons	20631..20941, 21351..21403, 21767..21838, 23147..23228, 23351..23389, 23492..23554		
GI Descrip.	'4582434/gb|AAD24820.1|AC007196_6 1.0e-41 (AC007196) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93949	Strand	-
Start	20631	End	23554
Name	OJ000350_02.0314.C18.o4.np	Method	AAT/NAP
Start	20855	End	23231
GI	4582434	Score	326
Exons	20855..20941, 21351..21403, 21767..21838, 23147..23231		
GI Descrip.	(AC007196) putative snRNP splicing factor [Arabidopsis thaliana]		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o1.ts	Method	TBLASTX:Soybean
Start	2997	End	4470
GI	none	Score	272
Exons	2997..3368, 3010..3369, 3372..4469, 3373..3876, 3946..4056, 4114..4470		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o1.tm	Method	TBLASTX:Maize
Start	3007	End	3704
GI	none	Score	882
Exons	3007..3702, 3009..3704		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o1.tc	Method	TBLASTX:Cress
Start	3009	End	4494
GI	none	Score	304
Exons	3009..3368, 3010..3369, 3372..4472, 3373..3876, 3949..4059, 4111..4494		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o1.tw	Method	TBLASTX:Wheat

Start	3021	End	3347
GI	none	Score	292
Exons	3021..3347, 3022..3339		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o2.tw	Method	TBLASTX:Wheat
Start	3399	End	3737
GI	none	Score	131
Exons	3399..3737, 3415..3699		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o5.tm	Method	TBLASTX:Maize
Start	3714	End	4058
GI	none	Score	90
Exons	3714..3791, 3807..4058, 3934..4047		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o3.tm	Method	TBLASTX:Maize
Start	4149	End	4497
GI	none	Score	494
Exons	4149..4484, 4150..4497		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o2.tm	Method	TBLASTX:Maize
Start	5504	End	7006
GI	none	Score	103
Exons	5504..5704, 5535..5720, 5536..5718, 5761..5919, 5785..5910, 6019..6171, 6020..6172, 6026..6220, 6467..6634, 6476..6637, 6838..6981, 6840..7004, 6854..7006, 6968..7006		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o4.ts	Method	TBLASTX:Soybean
Start	5644	End	6168
GI	none	Score	80
Exons	5644..5718, 5646..5720, 5830..5910, 5845..5913, 6019..6078, 6023..6079, 6079..6168		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o3.ts	Method	TBLASTX:Soybean
Start	6873	End	7421
GI	none	Score	128
Exons	6873..7010, 6874..6981, 7224..7421, 7237..7386, 7239..7421		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-

Start	30450	End	35106
Name	OJ000350_02.0314.C18.o6.tm	Method	TBLASTX:Maize
Start	7202	End	9769
GI	none	Score	195
Exons	7202..7423, 7221..7424, 7711..7818, 7712..7816, 8163..8318, 8167..8304, 8171..8305, 8471..8536, 8471..8536, 8473..8538, 9126..9203, 9131..9211, 9133..9210, 9664..9762, 9664..9762, 9668..9769		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o7.tm	Method	TBLASTX:Maize
Start	12073	End	14285
GI	none	Score	156
Exons	12073..12171, 12074..12172, 12075..12173, 12075..12173, 13013..13078, 13016..13114, 13017..13124, 13021..13125, 13516..13584, 13518..13586, 13960..14085, 13985..14086, 13986..14084, 13987..14091, 14183..14284, 14187..14285, 14187..14285		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o2.ts	Method	TBLASTX:Soybean
Start	14445	End	14890
GI	none	Score	95
Exons	14445..14651, 14542..14637, 14756..14890, 14757..14873		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o4.tm	Method	TBLASTX:Maize
Start	16324	End	18838
GI	none	Score	149
Exons	16324..16413, 16325..16417, 16815..16985, 16822..16983, 16826..16984, 17523..17576, 17687..17752, 17694..17762, 17883..17999, 17911..18000, 17915..18010, 17917..18006, 18102..18251, 18105..18251, 18106..18252, 18688..18762, 18689..18739, 18745..18798, 18749..18838		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o7.ts	Method	TBLASTX:Soybean
Start	16328	End	16987
GI	none	Score	40
Exons	16328..16363, 16349..16435, 16826..16987, 16827..16985		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o5.ts	Method	TBLASTX:Soybean
Start	17951	End	19161
GI	none	Score	84
Exons	17951..18013, 17953..18015, 18106..18252, 18114..18245, 18122..18256, 18124..18252, 18125..18256, 18688..18798,		

19081..19161

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o6.ts	Method	TBLASTX:Soybean
Start	29828	End	30649
GI	none	Score	164
Exons	29828..29968, 29829..29969, 30482..30640, 30484..30639, 30485..30649, 30514..30645		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o5.gp	Method	AAT/GAP
Start	30450	End	35106
GI	uC-osflcyp029d06b1	Score	872
Exons	30450..30627, 34786..35106		
GI Descrip.	'5524769/emb|CAB50793.1| 3.0e-11 (AJ243822) Mre11 protein [Arabidopsis thaliana]'		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93950	Strand	-
Start	30450	End	35106
Name	OJ000350_02.0314.C18.o2.tc	Method	TBLASTX:Cress
Start	31256	End	31844
GI	none	Score	97
Exons	31256..31327, 31446..31496, 31497..31532, 31620..31727, 31621..31725, 31806..31844		

Seq. No.	44559	Seq. ID	OJ000350_02.0314.C18
Gene No.	93951	Strand	
Start	50382	End	50776
Name	OJ000350_02.0314.C18.o8.tm	Method	TBLASTX:Maize
Start	50382	End	50776
GI	none	Score	93
Exons	50382..50450, 50383..50469, 50384..50461, 50589..50774, 50590..50775, 50596..50742, 50597..50776, 50598..50774		

Seq. No.	44560	Seq. ID	OJ000350_02.0314.C22
Gene No.	93952	Strand	-
Start	1	End	882
Name	OJ000350_02.0314.C22.o1.gs	Method	GENSCAN
Start	18	End	882
GI	none	Score	.89
Exons	18..412, 580..639, 762..882		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93953	Strand	+
Start	6345	End	13080
Name	OJ000350_08.0310.C2.o3.gs	Method	GENSCAN
Start	6345	End	13060
GI	none	Score	.48
Exons	6345..6356, 6594..6663, 6770..6878, 6959..7088, 7304..7510, 7564..9945, 10009..11400, 11524..12197, 12300..13060		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2

Gene No.	93953	Strand	+
Start	6345	End	13080
Name	OJ000350_08.0310.C2.o2.np	Method	AAT/NAP
Start	7582	End	13080
GI	7228457	Score	7901
Exons	7582..7948, 8010..9945, 10009..10843, 10966..11925, 11992..13080		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.np	Method	AAT/NAP
Start	312	End	5192
GI	4760553	Score	1263
Exons	312..664, 757..1028, 1184..1452, 2107..2278, 5121..5192		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.tc	Method	TBLASTX:Cress
Start	538	End	2278
GI	none	Score	125
Exons	538..666, 539..667, 751..1026, 756..1034, 867..1034, 1178..1453, 1184..1450, 1194..1454, 2108..2278, 2118..2231		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.tm	Method	TBLASTX:Maize
Start	538	End	2278
GI	none	Score	164
Exons	538..666, 539..667, 584..667, 756..1031, 757..1035, 1178..1450, 1178..1453, 1182..1454, 2096..2272, 2108..2278		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.ts	Method	TBLASTX:Soybean
Start	538	End	2275
GI	none	Score	139
Exons	538..666, 539..667, 717..812, 717..1034, 757..1035, 1178..1453, 1185..1454, 2117..2275, 2118..2231		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.gs	Method	GENSCAN
Start	540	End	2974
GI	none	Score	.96
Exons	540..664, 757..1028, 1184..1452, 2107..2278, 2942..2974		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192

Name	OJ000350_08.0310.C2.o5.tw	Method	TBLASTX:Wheat
Start	809	End	2278
GI	none	Score	185
Exons	809..1030, 810..1031, 811..1026, 864..1034, 1178..1453, 1191..1454, 2096..2269, 2111..2278		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o1.gp	Method	AAT/GAP
Start	4304	End	4377
GI	LIB3477-003-P1-K1-E9	Score	105
Exons	4304..4377		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93954	Strand	-
Start	312	End	5192
Name	OJ000350_08.0310.C2.o2.gs	Method	GENSCAN
Start	4987	End	5192
GI	none	Score	.95
Exons	4987..5097, 5121..5192		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93955	Strand	
Start	8239	End	8628
Name	OJ000350_08.0310.C2.o7.tw	Method	TBLASTX:Wheat
Start	8239	End	8628
GI	none	Score	54
Exons	8239..8283, 8290..8388, 8307..8387, 8355..8594, 8371..8628		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93955	Strand	
Start	8239	End	8628
Name	OJ000350_08.0310.C2.o5.tm	Method	TBLASTX:Maize
Start	8278	End	8526
GI	none	Score	197
Exons	8278..8526		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93956	Strand	
Start	9366	End	9852
Name	OJ000350_08.0310.C2.o3.tw	Method	TBLASTX:Wheat
Start	9366	End	9852
GI	none	Score	399
Exons	9366..9539, 9367..9852, 9561..9821		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93957	Strand	
Start	10016	End	10503
Name	OJ000350_08.0310.C2.o1.tw	Method	TBLASTX:Wheat
Start	10016	End	10479
GI	none	Score	203
Exons	10016..10459, 10017..10472, 10018..10479, 10018..10473		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93957	Strand	
Start	10016	End	10503
Name	OJ000350_08.0310.C2.o4.ts	Method	TBLASTX:Soybean
Start	10057	End	10422
GI	none	Score	112
Exons	10057..10281, 10288..10422		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93957	Strand	
Start	10016	End	10503
Name	OJ000350_08.0310.C2.o2.tm	Method	TBLASTX:Maize
Start	10188	End	10503
GI	none	Score	381
Exons	10188..10493, 10189..10503, 10387..10503		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93958	Strand	
Start	10530	End	11037
Name	OJ000350_08.0310.C2.o4.tm	Method	TBLASTX:Maize
Start	10530	End	10914
GI	none	Score	362
Exons	10530..10895, 10531..10914		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93958	Strand	
Start	10530	End	11037
Name	OJ000350_08.0310.C2.o2.tw	Method	TBLASTX:Wheat
Start	10587	End	11007
GI	none	Score	489
Exons	10587..10982, 10588..11007		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93958	Strand	
Start	10530	End	11037
Name	OJ000350_08.0310.C2.o2.ts	Method	TBLASTX:Soybean
Start	10666	End	11037
GI	none	Score	275
Exons	10666..11037, 10683..10826		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93959	Strand	
Start	11446	End	12219
Name	OJ000350_08.0310.C2.o6.tw	Method	TBLASTX:Wheat
Start	11446	End	11904
GI	none	Score	239
Exons	11446..11667, 11470..11694, 11535..11711, 11755..11904, 11766..11903		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93959	Strand	
Start	11446	End	12219
Name	OJ000350_08.0310.C2.o3.ts	Method	TBLASTX:Soybean
Start	11593	End	12159
GI	5666795	Score	68
Exons	11593..11691, 11767..11904, 11959..12159		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93959	Strand	
Start	11446	End	12219
Name	OJ000350_08.0310.C2.o8.tw	Method	TBLASTX:Wheat
Start	11907	End	12219
GI	none	Score	187
Exons	11907..12218, 11959..12219		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93960	Strand	
Start	12412	End	12930
Name	OJ000350_08.0310.C2.o3.tm	Method	TBLASTX:Maize
Start	12412	End	12744
GI	none	Score	371
Exons	12412..12735, 12441..12722, 12532..12744		

Seq. No.	44561	Seq. ID	OJ000350_08.0310.C2
Gene No.	93960	Strand	
Start	12412	End	12930
Name	OJ000350_08.0310.C2.o4.tw	Method	TBLASTX:Wheat
Start	12549	End	12930
GI	none	Score	377
Exons	12549..12899, 12550..12930		

Seq. No.	44562	Seq. ID	OJ000350_08.0310.C3
Gene No.	93961	Strand	+
Start	58	End	393
Name	OJ000350_08.0310.C3.o1.gs	Method	GENSCAN
Start	58	End	393
GI	none	Score	.87
Exons	58..393		

Seq. No.	44562	Seq. ID	OJ000350_08.0310.C3
Gene No.	93962	Strand	-
Start	1015	End	3062
Name	OJ000350_08.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	250	End	393
GI	none	Score	184
Exons	250..393, 255..389		

Seq. No.	44562	Seq. ID	OJ000350_08.0310.C3
Gene No.	93962	Strand	-
Start	1015	End	3062
Name	OJ000350_08.0310.C3.o2.gs	Method	GENSCAN
Start	1015	End	3057
GI	none	Score	.93
Exons	1015..1407, 1477..2601, 2729..2882, 2990..3057		

Seq. No.	44562	Seq. ID	OJ000350_08.0310.C3
Gene No.	93962	Strand	-
Start	1015	End	3062
Name	OJ000350_08.0310.C3.o1.np	Method	AAT/NAP
Start	1018	End	3062
GI	6907089	Score	2302
Exons	1018..2882, 2986..3062		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44563	Seq. ID	OJ000350_08.0310.C4
Gene No.	93963	Strand	-
Start	1	End	903
Name	OJ000350_08.0310.C4.o1.np	Method	AAT/NAP
Start	1	End	903
GI	6907089	Score	1418
Exons	1..903		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93964	Strand	+
Start	1	End	436
Name	OJ000350_08.0310.C5.o1.np	Method	AAT/NAP
Start	1	End	436
GI	5042454	Score	116
Exons	1..74, 376..436		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93965	Strand	+
Start	383	End	877
Name	OJ000350_08.0310.C5.o1.gs	Method	GENSCAN
Start	383	End	877
GI	none	Score	.97
Exons	383..553, 776..877		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93966	Strand	+
Start	2781	End	5604
Name	OJ000350_08.0310.C5.o2.np	Method	AAT/NAP
Start	2781	End	5604
GI	6815109	Score	367
Exons	2781..2826, 3261..3328, 4164..5042, 5206..5604		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93967	Strand	+
Start	8278	End	8383
Name	OJ000350_08.0310.C5.o3.gp	Method	AAT/GAP
Start	8278	End	8383
GI	5816518	Score	159
Exons	8278..8383		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93968	Strand	-
Start	2659	End	2763
Name	OJ000350_08.0310.C5.o1.gp	Method	AAT/GAP
Start	2659	End	2763
GI	uC-osflcyp088b12b1	Score	140
Exons	2659..2763		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5

Gene No.	93969	Strand	-
Start	3853	End	14089
Name	OJ000350_08.0310.C5.o2.gs	Method	GENSCAN
Start	3853	End	13989
GI	none	Score	.71
Exons	3853..3948, 4188..4352, 4491..4587, 4714..4897, 5124..5241, 5342..5560, 6032..6139, 6771..6822, 7897..8008, 10841..10928, 11393..11505, 11950..12074, 12161..12701, 13340..13511, 13924..13989		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93969	Strand	-
Start	3853	End	14089
Name	OJ000350_08.0310.C5.o2.gp	Method	AAT/GAP
Start	8039	End	8269
GI	3761181	Score	337
Exons	8039..8269		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93969	Strand	-
Start	3853	End	14089
Name	OJ000350_08.0310.C5.o4.gp	Method	AAT/GAP
Start	10377	End	14089
GI	81_1.R1084	Score	3130
Exons	10377..10928, 11393..11505, 11950..12074, 12161..12701, 13340..13511, 13924..14089		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93969	Strand	-
Start	3853	End	14089
Name	OJ000350_08.0310.C5.o3.np	Method	AAT/NAP
Start	10818	End	13989
GI	4760553	Score	1805
Exons	10818..10928, 11393..11505, 11950..12074, 12161..12701, 13340..13511, 13924..13989		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o1.ts	Method	TBLASTX:Soybean
Start	10789	End	13508
GI	none	Score	156
Exons	10789..10938, 10815..10931, 11374..11508, 11384..11509, 11393..11506, 11395..11514, 11947..12069, 11948..12076, 11949..12077, 12154..12690, 12154..12696, 12161..12730, 13341..13508, 13351..13494		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o1.tm	Method	TBLASTX:Maize
Start	10808	End	14018

GI	none	Score	90
Exons	10808..10909, 10815..10931, 10816..10938, 11384..11509, 11393..11506, 11948..12076, 11949..12077, 12160..12696, 12161..12730, 12161..12697, 12591..12701, 13313..13516, 13344..13517, 13351..13515, 13910..13990, 13923..14018		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o1.tc	Method	TBLASTX:Cress
Start	10815	End	15372
GI	none	Score	83
Exons	10815..10904, 10815..10931, 10816..10929, 11384..11506, 11393..11503, 11397..11507, 11943..12077, 11948..12076, 12139..12681, 12160..12696, 12161..12730, 12575..12706, 13350..13571, 13351..13500, 15269..15295, 15316..15372		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o1.tw	Method	TBLASTX:Wheat
Start	12213	End	13517
GI	none	Score	286
Exons	12213..12524, 12213..12512, 12214..12690, 12214..12696, 12575..12703, 12582..12701, 13313..13516, 13340..13399, 13341..13517, 13342..13515		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o3.gs	Method	GENSCAN
Start	15057	End	19761
GI	none	Score	.48
Exons	15057..15115, 16561..16643, 19583..19640, 19758..19761		

Seq. No.	44564	Seq. ID	OJ000350_08.0310.C5
Gene No.	93970	Strand	-
Start	15057	End	19761
Name	OJ000350_08.0310.C5.o4.np	Method	AAT/NAP
Start	17522	End	19638
GI	7523517	Score	239
Exons	17522..17553, 19130..19171, 19322..19638		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44565	Seq. ID	OJ000350_08.0310.C6
Gene No.	93971	Strand	+
Start	99	End	1958
Name	OJ000350_08.0310.C6.o1.gs	Method	GENSCAN
Start	99	End	1722
GI	none	Score	.47
Exons	99..150, 531..631, 864..938, 1050..1218, 1387..1511, 1579..1722		

Seq. No.	44565	Seq. ID	OJ000350_08.0310.C6
Gene No.	93971	Strand	+
Start	99	End	1958
Name	OJ000350_08.0310.C6.o1.np	Method	AAT/NAP
Start	585	End	1958

GI	6721558	Score	202
Exons	585..684, 1387..1511, 1848..1958		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44565	Seq. ID	OJ000350_08.0310.C6
Gene No.	93971	Strand	+
Start	99	End	1958
Name	OJ000350_08.0310.C6.o2.np	Method	AAT/NAP
Start	1015	End	1958
GI	6721561	Score	203
Exons	1015..1067, 1563..1806, 1870..1958		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93972	Strand	+
Start	1	End	1381
Name	OJ000350_08.0310.C7.o1.np	Method	AAT/NAP
Start	1	End	484
GI	6721561	Score	478
Exons	1..484		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93972	Strand	+
Start	1	End	1381
Name	OJ000350_08.0310.C7.o1.gs	Method	GENSCAN
Start	51	End	1381
GI	none	Score	.74
Exons	51..149, 227..446, 864..1381		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o2.gs	Method	GENSCAN
Start	1982	End	3974
GI	none	Score	.52
Exons	1982..2536, 2564..2883, 3261..3348, 3402..3526, 3587..3974		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o2.np	Method	AAT/NAP
Start	1985	End	5079
GI	5902445	Score	2875
Exons	1985..3220, 3251..5079		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	1994	End	2602
GI	none	Score	60
Exons	1994..2125, 1995..2120, 2150..2602, 2499..2588		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o5.tw	Method	TBLASTX:Wheat
Start	2624	End	2951
GI	none	Score	60
Exons	2624..2755, 2634..2753, 2751..2951, 2752..2859		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o3.tm	Method	TBLASTX:Maize
Start	2796	End	3100
GI	none	Score	70
Exons	2796..2969, 2797..2973, 2951..3100, 2958..3083		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o3.ts	Method	TBLASTX:Soybean
Start	3489	End	3872
GI	none	Score	85
Exons	3489..3737, 3747..3872		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o4.tw	Method	TBLASTX:Wheat
Start	3588	End	3995
GI	none	Score	55
Exons	3588..3761, 3589..3711, 3768..3995, 3775..3942		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o1.ts	Method	TBLASTX:Soybean
Start	4084	End	4477
GI	none	Score	90
Exons	4084..4476, 4334..4477		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	4139	End	4563
GI	none	Score	267
Exons	4139..4516, 4141..4563, 4171..4560		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7

Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o2.tm	Method	TBLASTX:Maize
Start	4237	End	4620
GI	none	Score	140
Exons	4237..4620, 4238..4516		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	4648	End	5004
GI	none	Score	219
Exons	4648..5004, 4649..4942, 4699..4950		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	4679	End	5134
GI	none	Score	384
Exons	4679..5134, 4679..5107, 4690..5133		

Seq. No.	44566	Seq. ID	OJ000350_08.0310.C7
Gene No.	93973	Strand	-
Start	1982	End	5134
Name	OJ000350_08.0310.C7.o2.ts	Method	TBLASTX:Soybean
Start	4729	End	5094
GI	none	Score	109
Exons	4729..4863, 4870..5094		

Seq. No.	44567	Seq. ID	OJ000350_08.0310.C8
Gene No.	93974	Strand	+
Start	1230	End	3274
Name	OJ000350_08.0310.C8.o2.np	Method	AAT/NAP
Start	1230	End	3274
GI	6721512	Score	108
Exons	1230..1251, 2900..3023, 3051..3274		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44567	Seq. ID	OJ000350_08.0310.C8
Gene No.	93975	Strand	-
Start	1	End	3274
Name	OJ000350_08.0310.C8.o1.np	Method	AAT/NAP
Start	1	End	3274
GI	5902444	Score	938
Exons	1..1504, 1822..1915, 3228..3274		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44567	Seq. ID	OJ000350_08.0310.C8
Gene No.	93975	Strand	-
Start	1	End	3274
Name	OJ000350_08.0310.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	447
GI	none	Score	145
Exons	2..226, 7..228, 265..447, 266..409		

Seq. No.	44567	Seq. ID	OJ000350_08.0310.C8
Gene No.	93975	Strand	-
Start	1	End	3274
Name	OJ000350_08.0310.C8.o2.tw	Method	TBLASTX:Wheat
Start	1020	End	1418
GI	none	Score	245
Exons	1020..1418		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93976	Strand	+
Start	47	End	6375
Name	OJ000350_08.0310.C9.o1.gs	Method	GENSCAN
Start	47	End	2650
GI	none	Score	.67
Exons	47..150, 206..2206, 2228..2650		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93976	Strand	+
Start	47	End	6375
Name	OJ000350_08.0310.C9.o1.np	Method	AAT/NAP
Start	224	End	6375
GI	7228457	Score	9260
Exons	224..594, 656..2587, 2651..3484, 3607..4758, 4825..6375		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93977	Strand	+
Start	11426	End	27053
Name	OJ000350_08.0310.C9.o4.gs	Method	GENSCAN
Start	11426	End	26828
GI	none	Score	.61
Exons	11426..11572, 11910..11977, 15899..16020, 16603..16668, 16940..17017, 17066..17229, 19166..19222, 19265..19519, 20874..20942, 21017..21187, 21261..21326, 21920..21988, 22113..22244, 22344..22420, 23352..23375, 24873..24961, 26247..26281, 26477..26538, 26615..26666, 26757..26828		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93977	Strand	+
Start	11426	End	27053
Name	OJ000350_08.0310.C9.o4.np	Method	AAT/NAP
Start	17062	End	21992
GI	7485682	Score	1038
Exons	17062..17229, 19265..19519, 20131..20255, 20571..20616, 20711..20785, 20874..20942, 21017..21187, 21267..21326, 21920..21992		
GI Descrip.	hypothetical protein F17O7.3 - Arabidopsis thaliana gi|3176674|gb|AAC18797.1| (AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93977	Strand	+
Start	11426	End	27053
Name	OJ000350_08.0310.C9.o1.gp	Method	AAT/GAP

Start	25956	End	27053
GI	none	Score	970
Exons	25956..26041, 26111..26153, 26247..26281, 26477..26538, 26615..26666, 26757..27053		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93978	Strand	+
Start	29307	End	29525
Name	OJ000350_08.0310.C9.o5.gs	Method	GENSCAN
Start	29307	End	29525
GI	none	Score	.92
Exons	29307..29525		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93979	Strand	-
Start	7024	End	10337
Name	OJ000350_08.0310.C9.o3.gs	Method	GENSCAN
Start	7024	End	10337
GI	none	Score	.98
Exons	7024..8977, 9076..10337		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93979	Strand	-
Start	7024	End	10337
Name	OJ000350_08.0310.C9.o2.np	Method	AAT/NAP
Start	7027	End	10337
GI	5803259	Score	4555
Exons	7027..8699, 8745..8977, 9076..10337		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93980	Strand	-
Start	10975	End	12259
Name	OJ000350_08.0310.C9.o3.np	Method	AAT/NAP
Start	10975	End	12259
GI	7523512	Score	101
Exons	10975..11112, 12195..12259		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93981	Strand	-
Start	25482	End	28720
Name	OJ000350_08.0310.C9.o5.np	Method	AAT/NAP
Start	25482	End	28720
GI	5852093	Score	62
Exons	25482..25547, 27210..27317, 28687..28720		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o6.tw	Method	TBLASTX:Wheat
Start	878	End	1270
GI	none	Score	58
Exons	878..925, 932..1030, 937..1029, 997..1236, 1013..1270		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9

Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o7.tm	Method	TBLASTX:Maize
Start	883	End	1174
GI	none	Score	200
Exons	883..1173, 920..1174		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o3.tw	Method	TBLASTX:Wheat
Start	2008	End	2467
GI	none	Score	398
Exons	2008..2145, 2009..2467, 2021..2437, 2203..2463		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o1.tw	Method	TBLASTX:Wheat
Start	2658	End	3121
GI	none	Score	199
Exons	2658..3119, 2659..3120, 2660..3121, 2660..3121		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	2789	End	3145
GI	none	Score	392
Exons	2789..3145, 2824..3144		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o4.tm	Method	TBLASTX:Maize
Start	3172	End	3555
GI	none	Score	280
Exons	3172..3450, 3173..3451, 3445..3555		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o2.tw	Method	TBLASTX:Wheat
Start	3229	End	3653
GI	none	Score	268
Exons	3229..3450, 3230..3460, 3329..3451, 3442..3648, 3468..3653		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o2.ts	Method	TBLASTX:Soybean
Start	3308	End	3678
GI	none	Score	151
Exons	3308..3451, 3325..3450, 3448..3678		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-

Start	32862	End	35943
Name	OJ000350_08.0310.C9.o5.tw	Method	TBLASTX:Wheat
Start	4279	End	4737
GI	none	Score	239
Exons	4279..4533, 4303..4527, 4368..4541, 4588..4737, 4597..4734, 4599..4736		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o4.ts	Method	TBLASTX:Soybean
Start	4426	End	4992
GI	5666795	Score	68
Exons	4426..4524, 4600..4737, 4786..4992		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o8.tw	Method	TBLASTX:Wheat
Start	4740	End	5194
GI	none	Score	198
Exons	4740..4916, 4777..5052, 5141..5194		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o3.tm	Method	TBLASTX:Maize
Start	5245	End	5568
GI	none	Score	361
Exons	5245..5568, 5274..5555		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o4.tw	Method	TBLASTX:Wheat
Start	5382	End	5763
GI	none	Score	371
Exons	5382..5438, 5383..5763, 5484..5729		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o7.tw	Method	TBLASTX:Wheat
Start	5764	End	6366
GI	none	Score	265
Exons	5764..6048, 5769..6047, 5904..6074, 6240..6362, 6241..6366		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	17148	End	21994
GI	none	Score	100
Exons	17148..17231, 17149..17229, 19264..19518, 19265..19519, 20128..20256, 20130..20255, 20559..20603, 20560..20616, 20701..20787, 20702..20788, 20870..20947, 20874..20942,		

21010..21186, 21017..21193, 21246..21326, 21916..21987, 21917..21994

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	19379	End	20927
GI	none	Score	170
Exons	19379..19519, 19384..19515, 20128..20256, 20130..20255, 20560..20610, 20701..20787, 20705..20788, 20870..20926, 20874..20927		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o2.tm	Method	TBLASTX:Maize
Start	19424	End	21168
GI	none	Score	122
Exons	19424..19519, 20128..20256, 20130..20255, 20566..20613, 20567..20614, 20699..20788, 20701..20787, 20870..20938, 20871..20942, 20874..20942, 21016..21168, 21017..21163		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o6.tm	Method	TBLASTX:Maize
Start	21971	End	23354
GI	none	Score	68
Exons	21971..21991, 22113..22184, 22114..22182, 22167..22244, 22185..22241, 22336..22419, 22341..22439, 22359..22454, 23102..23140, 23103..23141, 23107..23349, 23109..23141, 23130..23171, 23188..23349, 23198..23353, 23226..23354		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o6.gs	Method	GENSCAN
Start	32862	End	35897
GI	none	Score	.91
Exons	32862..33242, 33658..33786, 34124..34251, 34538..34587, 34710..34798, 34908..34982, 35498..35614, 35701..35897		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o6.np	Method	AAT/NAP
Start	32865	End	35943
GI	6016586	Score	2161
Exons	32865..33242, 33658..33786, 33917..33952, 34091..34264, 34393..34433, 34538..34587, 34710..34798, 34908..34982, 35099..35187, 35293..35353, 35498..35614, 35701..35943		
GI Descrip.	MLO PROTEIN HOMOLOG 1 gi|2765819|emb|CAB08606| (Z95353) OsMlo-h1 [Oryza sativa]		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-

Start	32862	End	35943
Name	OJ000350_08.0310.C9.o5.tm	Method	TBLASTX:Maize
Start	33697	End	34265
GI	none	Score	76
Exons	33697..33801, 33710..33802, 33914..33955, 33915..33956, 34092..34265, 34094..34264		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o3.ts	Method	TBLASTX:Soybean
Start	34085	End	34267
GI	none	Score	104
Exons	34085..34201, 34085..34267, 34089..34265		

Seq. No.	44568	Seq. ID	OJ000350_08.0310.C9
Gene No.	93982	Strand	-
Start	32862	End	35943
Name	OJ000350_08.0310.C9.o2.tc	Method	TBLASTX:Cress
Start	34094	End	35354
GI	none	Score	67
Exons	34094..34264, 34390..34434, 34578..34619, 34661..34777, 34704..34778, 34909..34983, 34911..34982, 35090..35188, 35097..35189, 35297..35353, 35304..35354		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93983	Strand	+
Start	233	End	1871
Name	OJ000250_02.0313.C1.o1.gp	Method	AAT/GAP
Start	233	End	566
GI	82047_1.R1084	Score	449
Exons	233..566		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93983	Strand	+
Start	233	End	1871
Name	OJ000250_02.0313.C1.o1.gs	Method	GENSCAN
Start	258	End	669
GI	none	Score	.88
Exons	258..566, 604..669		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93983	Strand	+
Start	233	End	1871
Name	OJ000250_02.0313.C1.o1.np	Method	AAT/NAP
Start	309	End	1871
GI	7484780	Score	164
Exons	309..585, 1839..1871		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1

Gene No.	93984	Strand	-
Start	1162	End	1871
Name	OJ000250_02.0313.C1.o1.tm	Method	TBLASTX:Maize
Start	267	End	579
GI	none	Score	208
Exons	267..491, 398..487, 511..579,	511..576	

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93984	Strand	-
Start	1162	End	1871
Name	OJ000250_02.0313.C1.o1.tc	Method	TBLASTX:Cress
Start	315	End	579
GI	none	Score	163
Exons	315..491, 511..579		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93984	Strand	-
Start	1162	End	1871
Name	OJ000250_02.0313.C1.o2.gs	Method	GENSCAN
Start	1162	End	1788
GI	none	Score	.63
Exons	1162..1343, 1659..1788		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93984	Strand	-
Start	1162	End	1871
Name	OJ000250_02.0313.C1.o2.tm	Method	TBLASTX:Maize
Start	1216	End	1645
GI	none	Score	89
Exons	1216..1341, 1246..1557, 1411..1644, 1547..1645		

Seq. No.	44569	Seq. ID	OJ000250_02.0313.C1
Gene No.	93984	Strand	-
Start	1162	End	1871
Name	OJ000250_02.0313.C1.o2.np	Method	AAT/NAP
Start	1315	End	1871
GI	7485592	Score	468
Exons	1315..1871		
GI Descrip.	hypothetical protein F17A8.10 - Arabidopsis thaliana gi|4538896|emb|CAB39633.1| (AL049482) putative protein [Arabidopsis thaliana] gi|7267661|emb|CAB78089.1| (AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93985	Strand	+
Start	529	End	10023
Name	OJ000250_02.0313.C2.o1.gs	Method	GENSCAN
Start	529	End	10023
GI	none	Score	.75
Exons	529..600, 812..992, 1644..1673, 2647..2768, 3432..3538, 5980..6106, 6230..6299, 6799..6904, 6987..7104, 7595..7714, 7817..7997, 8092..8168, 8255..8307, 8474..8525, 8821..10023		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93985	Strand	+
Start	529	End	10023
Name	OJ000250_02.0313.C2.o1.np	Method	AAT/NAP

Start	5996	End	8986
GI	4559345	Score	263
Exons	5996..6106, 6230..6299, 6799..6904, 6987..7167, 7599..7709, 7815..7933, 8074..8168, 8255..8307, 8474..8525, 8821..8986		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93986	Strand	+
Start	12713	End	18343
Name	OJ000250_02.0313.C2.o3.gs	Method	GENSCAN
Start	12713	End	18343
GI	none	Score	.53
Exons	12713..12733, 13771..13830, 13835..13937, 14058..14091, 15819..15938, 16304..16384, 16820..16844, 17695..17818, 18036..18343		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93987	Strand	-
Start	10883	End	12028
Name	OJ000250_02.0313.C2.o2.gs	Method	GENSCAN
Start	10883	End	12028
GI	none	Score	.58
Exons	10883..12028		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93988	Strand	-
Start	15517	End	16625
Name	OJ000250_02.0313.C2.o2.np	Method	AAT/NAP
Start	15517	End	16625
GI	6815053	Score	742
Exons	15517..15753, 15803..15978, 16479..16625		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93989	Strand	-
Start	17161	End	17764
Name	OJ000250_02.0313.C2.o3.np	Method	AAT/NAP
Start	17161	End	17764
GI	6721559	Score	393
Exons	17161..17292, 17325..17764		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93990	Strand	-
Start	17737	End	18368
Name	OJ000250_02.0313.C2.o4.np	Method	AAT/NAP
Start	17737	End	18368
GI	6721560	Score	234
Exons	17737..17953, 18112..18211, 18253..18368		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2

Gene No.	93991	Strand	-
Start	19060	End	21534
Name	OJ000250_02.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	1421	End	1767
GI	none	Score	183
Exons	1421..1558, 1422..1559, 1666..1767, 1669..1761		

Seq. No.	44570	Seq. ID	OJ000250_02.0313.C2
Gene No.	93991	Strand	-
Start	19060	End	21534
Name	OJ000250_02.0313.C2.o5.np	Method	AAT/NAP
Start	19060	End	21534
GI	4680183	Score	184
Exons	19060..19149, 19757..19879, 21376..21534		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	44571	Seq. ID	OJ000250_02.0313.C3
Gene No.	93992	Strand	+
Start	83	End	334
Name	OJ000250_02.0313.C3.o1.gs	Method	GENSCAN
Start	83	End	334
GI	none	Score	.94
Exons	83..334		

Seq. No.	44571	Seq. ID	OJ000250_02.0313.C3
Gene No.	93993	Strand	-
Start	779	End	2792
Name	OJ000250_02.0313.C3.o1.gp	Method	AAT/GAP
Start	779	End	2792
GI	none	Score	833
Exons	779..1005, 1246..1400, 1490..1560, 1937..1987, 2765..2792		

Seq. No.	44571	Seq. ID	OJ000250_02.0313.C3
Gene No.	93993	Strand	-
Start	779	End	2792
Name	OJ000250_02.0313.C3.o2.gs	Method	GENSCAN
Start	1295	End	1987
GI	none	Score	.61
Exons	1295..1366, 1490..1560, 1937..1987		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o1.np	Method	AAT/NAP
Start	4487	End	9247
GI	5922636	Score	467
Exons	4487..4565, 5049..5283, 5577..5724, 6596..6915, 7319..8039, 8639..8811, 9012..9247		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640

Name	OJ000250_02.0313.C4.o2.np	Method	AAT/NAP
Start	5915	End	12790
GI	5777623	Score	1251
Exons	5915..5952, 8884..9079, 9330..9467, 9647..10155, 10962..11204, 12693..12790		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o2.gs	Method	GENSCAN
Start	7328	End	8329
GI	none	Score	.95
Exons	7328..8329		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o3.gs	Method	GENSCAN
Start	8689	End	15340
GI	none	Score	.56
Exons	8689..8749, 9774..10142, 10177..10329, 12349..12440, 12510..12675, 13253..13401, 13637..13712, 14430..14594, 14678..14713, 15309..15340		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o1.gp	Method	AAT/GAP
Start	11835	End	12331
GI	38782_1.R1084	Score	806
Exons	11835..12331		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o2.gp	Method	AAT/GAP
Start	13270	End	14707
GI	LIB3477-002-P1-K1-D5	Score	851
Exons	13270..13401, 14044..14134, 14235..14285, 14430..14594, 14678..14707		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93994	Strand	+
Start	4487	End	15640
Name	OJ000250_02.0313.C4.o4.np	Method	AAT/NAP
Start	13799	End	15640
GI	7484780	Score	66
Exons	13799..14144, 15587..15640		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome		

regulatory subunit [Arabidopsis thaliana]

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93995	Strand	-
Start	9568	End	12097
Name	OJ000250_02.0313.C4.o3.np	Method	AAT/NAP
Start	9568	End	12097
GI	4680186	Score	195
Exons	9568..9602, 11351..11529, 12034..12097		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44572	Seq. ID	OJ000250_02.0313.C4
Gene No.	93996	Strand	
Start	14272	End	14801
Name	OJ000250_02.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	14272	End	14801
GI	none	Score	36
Exons	14272..14295, 14366..14584, 14405..14551, 14407..14586, 14676..14801, 14685..14801		

Seq. No.	44573	Seq. ID	OJ000250_02.0313.C5
Gene No.	93997	Strand	-
Start	714	End	1597
Name	OJ000250_02.0313.C5.o1.gs	Method	GENSCAN
Start	714	End	1597
GI	none	Score	.65
Exons	714..832, 920..1060, 1504..1597		

Seq. No.	44574	Seq. ID	OJ000250_02.0313.C6
Gene No.	93998	Strand	+
Start	1	End	794
Name	OJ000250_02.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	794
GI	5042454	Score	223
Exons	1..40, 227..399, 741..794		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44574	Seq. ID	OJ000250_02.0313.C6
Gene No.	93998	Strand	+
Start	1	End	794
Name	OJ000250_02.0313.C6.o1.gp	Method	AAT/GAP
Start	258	End	678
GI	uC-osflcyp172a09a1	Score	636
Exons	258..621, 651..678		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o1.gs	Method	GENSCAN
Start	486	End	3117
GI	none	Score	.73
Exons	486..2039, 2084..2239, 2411..2953, 2971..3117		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-

Start	486	End	4904
Name	OJ000250_02.0313.C7.o1.np	Method	AAT/NAP
Start	489	End	4904
GI	7228457	Score	6955
Exons	489..2039, 2084..3235, 3358..4190, 4254..4904		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o6.tw	Method	TBLASTX:Wheat
Start	498	End	1100
GI	none	Score	83
Exons	498..623, 502..624, 816..1100, 817..1095		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o3.tw	Method	TBLASTX:Wheat
Start	1101	End	1482
GI	none	Score	170
Exons	1101..1481, 1132..1380, 1140..1478, 1426..1482		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o2.tm	Method	TBLASTX:Maize
Start	1257	End	1619
GI	none	Score	201
Exons	1257..1304, 1296..1619, 1309..1590		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o5.tw	Method	TBLASTX:Wheat
Start	2105	End	2563
GI	none	Score	88
Exons	2105..2254, 2106..2228, 2113..2229, 2298..2474, 2313..2417, 2315..2563, 2315..2539		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o1.ts	Method	TBLASTX:Soybean
Start	3164	End	3533
GI	none	Score	79
Exons	3164..3394, 3399..3533, 3400..3516		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o2.tw	Method	TBLASTX:Wheat
Start	3194	End	3612
GI	none	Score	114
Exons	3194..3394, 3219..3395, 3378..3557, 3393..3611, 3394..3612		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o3.tm	Method	TBLASTX:Maize
Start	3287	End	3669
GI	none	Score	192
Exons	3287..3394, 3393..3668, 3394..3669		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o2.gs	Method	GENSCAN
Start	3381	End	4739
GI	none	Score	.64
Exons	3381..4190, 4254..4739		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o1.tm	Method	TBLASTX:Maize
Start	3696	End	4052
GI	none	Score	132
Exons	3696..4001, 3696..4052, 3706..4017		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o1.tw	Method	TBLASTX:Wheat
Start	3720	End	4183
GI	none	Score	233
Exons	3720..4181, 3726..4181, 3727..4182, 3740..4183		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o2.ts	Method	TBLASTX:Soybean
Start	3777	End	4142
GI	none	Score	118
Exons	3777..3911, 3918..4142		

Seq. No.	44575	Seq. ID	OJ000250_02.0313.C7
Gene No.	93999	Strand	-
Start	486	End	4904
Name	OJ000250_02.0313.C7.o4.tw	Method	TBLASTX:Wheat
Start	4347	End	4843
GI	none	Score	152
Exons	4347..4715, 4378..4638, 4738..4842, 4766..4843		

Seq. No.	44576	Seq. ID	OJ000250_02.0313.C8
Gene No.	94000	Strand	+
Start	789	End	1882
Name	OJ000250_02.0313.C8.o2.np	Method	AAT/NAP
Start	789	End	1882
GI	4680186	Score	342
Exons	789..840, 1681..1882		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44576	Seq. ID	OJ000250_02.0313.C8
Gene No.	94001	Strand	-
Start	1	End	725
Name	OJ000250_02.0313.C8.o1.np	Method	AAT/NAP
Start	1	End	725
GI	5042454	Score	1100
Exons	1..725		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44576	Seq. ID	OJ000250_02.0313.C8
Gene No.	94002	Strand	-
Start	1430	End	1815
Name	OJ000250_02.0313.C8.o1.tw	Method	TBLASTX:Wheat
Start	95	End	453
GI	none	Score	93
Exons	95..334, 97..318, 301..399, 302..394, 406..453		

Seq. No.	44576	Seq. ID	OJ000250_02.0313.C8
Gene No.	94002	Strand	-
Start	1430	End	1815
Name	OJ000250_02.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	163	End	448
GI	none	Score	82
Exons	163..411, 164..448		

Seq. No.	44576	Seq. ID	OJ000250_02.0313.C8
Gene No.	94002	Strand	-
Start	1430	End	1815
Name	OJ000250_02.0313.C8.o1.gp	Method	AAT/GAP
Start	1430	End	1815
GI	uC-osflcyp033a04b1	Score	661
Exons	1430..1815		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44577	Seq. ID	OJ000250_02.0313.C9
Gene No.	94003	Strand	-
Start	783	End	1454
Name	OJ000250_02.0313.C9.o1.gs	Method	GENSCAN
Start	783	End	1043
GI	none	Score	.75
Exons	783..1043		

Seq. No.	44577	Seq. ID	OJ000250_02.0313.C9
Gene No.	94003	Strand	-
Start	783	End	1454
Name	OJ000250_02.0313.C9.o1.np	Method	AAT/NAP
Start	786	End	1454
GI	6983860	Score	550
Exons	786..1454		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44577	Seq. ID	OJ000250_02.0313.C9
Gene No.	94003	Strand	-
Start	783	End	1454

Name	OJ000250_02.0313.C9.o1.tw	Method	TBLASTX:Wheat
Start	831	End	1161
GI	none	Score	123
Exons	831..1160, 852..1160, 895..1161		

Seq. No.	44577	Seq. ID	OJ000250_02.0313.C9
Gene No.	94003	Strand	-
Start	783	End	1454
Name	OJ000250_02.0313.C9.o1.tm	Method	TBLASTX:Maize
Start	927	End	1161
GI	none	Score	161
Exons	927..1160, 928..1161		

Seq. No.	44578	Seq. ID	OJ000250_02.0313.C10
Gene No.	94004	Strand	-
Start	1	End	1412
Name	OJ000250_02.0313.C10.o1.np	Method	AAT/NAP
Start	1	End	1341
GI	7452055	Score	93
Exons	1..52, 299..395, 984..1341		
GI Descrip.	hypothetical protein T29H11.10 - Arabidopsis thaliana gi|4678341|emb|CAB41151.1| (AL049659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44578	Seq. ID	OJ000250_02.0313.C10
Gene No.	94004	Strand	-
Start	1	End	1412
Name	OJ000250_02.0313.C10.o1.gs	Method	GENSCAN
Start	299	End	1412
GI	none	Score	.56
Exons	299..401, 1058..1086, 1176..1412		

Seq. No.	44579	Seq. ID	OJ000250_02.0313.C11
Gene No.	94005	Strand	+
Start	483	End	3417
Name	OJ000250_02.0313.C11.o1.gs	Method	GENSCAN
Start	483	End	3380
GI	none	Score	.76
Exons	483..536, 738..908, 924..1717, 1839..3033, 3108..3380		

Seq. No.	44579	Seq. ID	OJ000250_02.0313.C11
Gene No.	94005	Strand	+
Start	483	End	3417
Name	OJ000250_02.0313.C11.o1.np	Method	AAT/NAP
Start	483	End	3417
GI	6907089	Score	4105
Exons	483..1744, 1839..3417		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44580	Seq. ID	OJ000250_02.0313.C13
Gene No.	94006	Strand	+
Start	197	End	1547
Name	OJ000250_02.0313.C13.o1.gs	Method	GENSCAN
Start	197	End	1523
GI	none	Score	.83
Exons	197..304, 796..915, 1018..1051, 1302..1378, 1471..1523		

Seq. No.	44580	Seq. ID	OJ000250_02.0313.C13
Gene No.	94006	Strand	+
Start	197	End	1547
Name	OJ000250_02.0313.C13.o1.np	Method	AAT/NAP
Start	815	End	1547
GI	4505999	Score	153
Exons	815..915, 1018..1089, 1141..1195, 1302..1378, 1471..1547		
GI Descrip.	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform gi|3122589|sp|O15355|P2CG_HUMAN PROTEIN PHOSPHATASE 2C GAMMA ISOFORM (PP2C-GAMMA) (PROTEIN PHOSPHATASE 1C) gi|2315202|emb|CAA74245| (Y13936) protein phosphatase 2C gamma [Homo sapiens]		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94007	Strand	+
Start	640	End	7022
Name	OJ000250_02.0313.C14.o1.gs	Method	GENSCAN
Start	640	End	7022
GI	none	Score	.57
Exons	640..765, 1223..1350, 1472..1538, 2058..2163, 2256..2373, 2874..2993, 3095..3128, 3380..3456, 3549..3601, 3756..3807, 4179..4610, 6201..6272, 6846..7022		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94007	Strand	+
Start	640	End	7022
Name	OJ000250_02.0313.C14.o1.np	Method	AAT/NAP
Start	1234	End	4352
GI	7488279	Score	271
Exons	1234..1350, 1472..1538, 2058..2163, 2256..2391, 2854..2998, 3100..3182, 3237..3272, 3380..3456, 3549..3601, 3756..3829, 4172..4352		
GI Descrip.	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94007	Strand	+
Start	640	End	7022
Name	OJ000250_02.0313.C14.o1.gp	Method	AAT/GAP
Start	4400	End	4846
GI	3761484	Score	793
Exons	4400..4846		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94008	Strand	-
Start	8097	End	8984
Name	OJ000250_02.0313.C14.o1.tm	Method	TBLASTX:Maize
Start	6368	End	6664
GI	none	Score	70
Exons	6368..6664, 6516..6659		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94008	Strand	-
Start	8097	End	8984

Name	OJ000250_02.0313.C14.o1.tw	Method	TBLASTX:Wheat
Start	6745	End	7061
GI	none	Score	82
Exons	6745..6792, 6807..7061, 6808..6987		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94008	Strand	-
Start	8097	End	8984
Name	OJ000250_02.0313.C14.o2.np	Method	AAT/NAP
Start	8097	End	8984
GI	5669654	Score	82
Exons	8097..8248, 8912..8984		
GI Descrip.	(AF096262) ER6 protein [Lycopersicon esculentum]		

Seq. No.	44581	Seq. ID	OJ000250_02.0313.C14
Gene No.	94008	Strand	-
Start	8097	End	8984
Name	OJ000250_02.0313.C14.o2.tm	Method	TBLASTX:Maize
Start	8115	End	8231
GI	none	Score	119
Exons	8115..8225, 8121..8231		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94009	Strand	+
Start	16	End	546
Name	OJ000250_02.0313.C15.o1.gs	Method	GENSCAN
Start	16	End	546
GI	none	Score	.98
Exons	16..546		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o1.np	Method	AAT/NAP
Start	1262	End	2975
GI	7442627	Score	103
Exons	1262..1409, 2939..2975		
GI Descrip.	ABC-type heme transporter chain homolog - rice mitochondrion gi|499014|emb|CAA56116.1| (X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi|1395188|dbj|BAA10942.1| (D64067) ABC-type heme transporter subunit [Oryza sativa]		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o2.gp	Method	AAT/GAP
Start	1747	End	2071
GI	82047_1.R1084	Score	556
Exons	1747..2071		
GI Descrip.	'4678261/emb|CAB41122.1| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]'		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o1.tm	Method	TBLASTX:Maize
Start	1761	End	2096

GI	none	Score	333
Exons	1761..2096, 1853..1978, 1953..2081		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o2.gs	Method	GENSCAN
Start	1815	End	2075
GI	none	Score	.77
Exons	1815..2075		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o2.np	Method	AAT/NAP
Start	1818	End	4035
GI	7484780	Score	215
Exons	1818..2088, 3985..4035		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o1.tc	Method	TBLASTX:Cress
Start	1824	End	2096
GI	none	Score	251
Exons	1824..2096		

Seq. No.	44582	Seq. ID	OJ000250_02.0313.C15
Gene No.	94010	Strand	+
Start	1262	End	4035
Name	OJ000250_02.0313.C15.o1.ts	Method	TBLASTX:Soybean
Start	1827	End	2096
GI	none	Score	213
Exons	1827..2096		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94011	Strand	+
Start	1	End	1152
Name	OJ000250_02.0313.C16.o1.np	Method	AAT/NAP
Start	1	End	885
GI	2982297	Score	850
Exons	1..161, 227..335, 431..599, 714..885		
GI Descrip.	(AF051233) KIAA0107-like protein [Picea mariana]		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94011	Strand	+
Start	1	End	1152
Name	OJ000250_02.0313.C16.o1.gs	Method	GENSCAN
Start	9	End	888
GI	none	Score	.74
Exons	9..161, 227..335, 431..599, 714..888		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94011	Strand	+
Start	1	End	1152
Name	OJ000250_02.0313.C16.o1.gp	Method	AAT/GAP
Start	194	End	1152
GI	78815_1.R1084	Score	1236
Exons	194..335, 431..599, 714..1152		
GI Descrip.	'2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]'		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	896
GI	none	Score	259
Exons	2..163, 3..167, 3..164, 199..321, 224..334, 224..334, 226..336, 430..600, 431..598, 432..617, 432..617, 712..888, 713..880, 714..896, 714..884		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o1.ts	Method	TBLASTX:Soybean
Start	2	End	909
GI	none	Score	251
Exons	2..163, 3..167, 224..334, 226..333, 420..593, 429..596, 430..597, 430..603, 713..871, 714..872, 714..884, 715..909, 727..891		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o1.tc	Method	TBLASTX:Cress
Start	5	End	888
GI	none	Score	91
Exons	5..163, 5..163, 9..167, 9..167, 224..334, 226..333, 278..337, 429..599, 430..600, 430..609, 712..888, 713..868, 714..887		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.gp	Method	AAT/GAP
Start	1340	End	2035
GI	37294_1.R1084	Score	1018
Exons	1340..1668, 1811..2035		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.gs	Method	GENSCAN
Start	1620	End	3272
GI	none	Score	.95
Exons	1620..1735, 1811..2023, 2495..2606, 2719..2856, 2973..3272		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.np	Method	AAT/NAP
Start	1881	End	6025
GI	6728875	Score	420
Exons	1881..2020, 2371..2422, 2520..2606, 2719..2856, 2973..3138, 5960..6025		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.tc	Method	TBLASTX:Cress
Start	2372	End	3059
GI	none	Score	66
Exons	2372..2422, 2466..2606, 2520..2609, 2717..2857, 2719..2874, 2970..3059, 2974..3039		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.ts	Method	TBLASTX:Soybean
Start	2372	End	3062
GI	none	Score	42
Exons	2372..2422, 2373..2429, 2518..2574, 2520..2609, 2717..2875, 2719..2874, 2970..3062, 2974..3039		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o2.tm	Method	TBLASTX:Maize
Start	2529	End	3075
GI	none	Score	87
Exons	2529..2627, 2529..2609, 2531..2614, 2717..2857, 2719..2856, 2800..2859, 2970..3038, 2970..3053, 2974..3051, 3013..3075		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o3.gs	Method	GENSCAN
Start	4413	End	5706
GI	none	Score	.52
Exons	4413..5460, 5594..5706		

Seq. No.	44583	Seq. ID	OJ000250_02.0313.C16
Gene No.	94012	Strand	-
Start	1620	End	6025
Name	OJ000250_02.0313.C16.o3.np	Method	AAT/NAP
Start	4646	End	6025
GI	2130121	Score	105
Exons	4646..5264, 6006..6025		
GI Descrip.	cyclin II - maize gi|516550 (U10077) cyclin IIZm [Zea mays]		

Seq. No.	44584	Seq. ID	OJ000250_02.0313.C17
Gene No.	94013	Strand	+
Start	234	End	333

Name	OJ000250_02.0313.C17.o1.gs	Method	GENSCAN
Start	234	End	333
GI	none	Score	.98
Exons	234..333		

Seq. No.	44584	Seq. ID	OJ000250_02.0313.C17
Gene No.	94014	Strand	-
Start	234	End	554
Name	OJ000250_02.0313.C17.o1.np	Method	AAT/NAP
Start	234	End	407
GI	7106512	Score	76
Exons	234..272, 346..407		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44584	Seq. ID	OJ000250_02.0313.C17
Gene No.	94014	Strand	-
Start	234	End	554
Name	OJ000250_02.0313.C17.o1.gp	Method	AAT/GAP
Start	303	End	554
GI	3761181	Score	432
Exons	303..554		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44585	Seq. ID	OJ000250_02.0313.C20
Gene No.	94015	Strand	-
Start	1	End	2767
Name	OJ000250_02.0313.C20.o1.np	Method	AAT/NAP
Start	1	End	2767
GI	7488279	Score	237
Exons	1..23, 390..467, 565..647, 747..779, 834..930, 1036..1204, 1651..1808, 2397..2529, 2651..2767		
GI Descrip,	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	44585	Seq. ID	OJ000250_02.0313.C20
Gene No.	94015	Strand	-
Start	1	End	2767
Name	OJ000250_02.0313.C20.o1.gs	Method	GENSCAN
Start	193	End	2761
GI	none	Score	.79
Exons	193..247, 421..533, 571..701, 771..930, 1033..1155, 1651..1808, 2460..2529, 2651..2761		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21
Gene No.	94016	Strand	+
Start	274	End	591
Name	OJ000250_02.0313.C21.o1.gs	Method	GENSCAN
Start	274	End	591
GI	none	Score	.57
Exons	274..591		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21

Gene No.	94017	Strand	-
Start	920	End	3236
Name	OJ000250_02.0313.C21.o1.gp	Method	AAT/GAP
Start	920	End	1823
GI	3767784	Score	834
Exons	920..1306, 1746..1823		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21
Gene No.	94017	Strand	-
Start	920	End	3236
Name	OJ000250_02.0313.C21.o2.gs	Method	GENSCAN
Start	1151	End	3236
GI	none	Score	.93
Exons	1151..1306, 1746..1837, 1909..1944, 2138..2795, 2880..3236		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21
Gene No.	94017	Strand	-
Start	920	End	3236
Name	OJ000250_02.0313.C21.o1.ts	Method	TBLASTX:Soybean
Start	1815	End	2414
GI	none	Score	65
Exons	1815..1946, 1854..1946, 2037..2228, 2037..2261, 2038..2259, 2280..2414, 2281..2406		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21
Gene No.	94017	Strand	-
Start	920	End	3236
Name	OJ000250_02.0313.C21.o2.gp	Method	AAT/GAP
Start	2026	End	2430
GI	none	Score	786
Exons	2026..2430		

Seq. No.	44586	Seq. ID	OJ000250_02.0313.C21
Gene No.	94017	Strand	-
Start	920	End	3236
Name	OJ000250_02.0313.C21.o1.tm	Method	TBLASTX:Maize
Start	2272	End	2561
GI	none	Score	359
Exons	2272..2550, 2273..2449, 2274..2561		

Seq. No.	44587	Seq. ID	OJ000250_02.0313.C22
Gene No.	94018	Strand	-
Start	1	End	1352
Name	OJ000250_02.0313.C22.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	7452055	Score	127
Exons	1..266, 1324..1352		
GI Descrip.	hypothetical protein T29H11.10 - Arabidopsis thaliana gi|4678341|emb|CAB41151.1| (AL049659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44587	Seq. ID	OJ000250_02.0313.C22
Gene No.	94018	Strand	-
Start	1	End	1352
Name	OJ000250_02.0313.C22.o1.gs	Method	GENSCAN
Start	7	End	932
GI	none	Score	.69

Exons	7..278, 827..932		
Seq. No.	44587	Seq. ID	OJ000250_02.0313.C22
Gene No.	94018	Strand	-
Start	1	End	1352
Name	OJ000250_02.0313.C22.o1.tm	Method	TBLASTX:Maize
Start	13	End	177
GI	none	Score	180
Exons	13..177, 14..172, 28..174		
Seq. No.	44588	Seq. ID	OJ000250_02.0313.C26
Gene No.	94019	Strand	-
Start	1	End	270
Name	OJ000250_02.0313.C26.o1.np	Method	AAT/NAP
Start	1	End	270
GI	7488279	Score	93
Exons	1..33, 154..270		
GI Descrip.	protein phosphatase 2C homolog F11C18.60 - Arabidopsis thaliana gi|4584525|emb|CAB40756.1| (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] gi|7270089|emb|CAB79904.1| (AL161579) protein phosphatase 2C-like protein [Arabidopsis thaliana]		
Seq. No.	44589	Seq. ID	OJ000250_02.0313.C30
Gene No.	94020	Strand	+
Start	1	End	1142
Name	OJ000250_02.0313.C30.o1.np	Method	AAT/NAP
Start	1	End	1142
GI	6006864	Score	70
Exons	1..103, 962..1142		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44589	Seq. ID	OJ000250_02.0313.C30
Gene No.	94021	Strand	-
Start	47	End	1018
Name	OJ000250_02.0313.C30.o1.gs	Method	GENSCAN
Start	47	End	1018
GI	none	Score	.59
Exons	47..209, 264..493, 945..1018		
Seq. No.	44590	Seq. ID	OJ000250_02.0313.C31
Gene No.	94022	Strand	+
Start	1750	End	2500
Name	OJ000250_02.0313.C31.o2.gs	Method	GENSCAN
Start	1750	End	2500
GI	none	Score	.98
Exons	1750..2500		
Seq. No.	44590	Seq. ID	OJ000250_02.0313.C31
Gene No.	94023	Strand	-
Start	79	End	1488
Name	OJ000250_02.0313.C31.o1.gs	Method	GENSCAN
Start	79	End	1488
GI	none	Score	.48
Exons	79..191, 481..660, 1001..1204, 1433..1488		
Seq. No.	44590	Seq. ID	OJ000250_02.0313.C31

Gene No.	94023	Strand	-
Start	79	End	1488
Name	OJ000250_02.0313.C31.o1.np	Method	AAT/NAP
Start	333	End	434
GI	5777617	Score	82
Exons	333..434		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44591	Seq. ID	OJ000250_02.0313.C32
Gene No.	94024	Strand	+
Start	172	End	4207
Name	OJ000250_02.0313.C32.o1.gs	Method	GENSCAN
Start	172	End	4049
GI	none	Score	.79
Exons	172..586, 1058..1499, 2244..2334, 3930..4049		

Seq. No.	44591	Seq. ID	OJ000250_02.0313.C32
Gene No.	94024	Strand	+
Start	172	End	4207
Name	OJ000250_02.0313.C32.o1.np	Method	AAT/NAP
Start	1234	End	4207
GI	7484780	Score	113
Exons	1234..1499, 2244..2334, 4170..4207		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	44591	Seq. ID	OJ000250_02.0313.C32
Gene No.	94024	Strand	+
Start	172	End	4207
Name	OJ000250_02.0313.C32.o2.np	Method	AAT/NAP
Start	2085	End	3576
GI	5852093	Score	74
Exons	2085..2111, 3459..3576		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44591	Seq. ID	OJ000250_02.0313.C32
Gene No.	94024	Strand	+
Start	172	End	4207
Name	OJ000250_02.0313.C32.o1.ts	Method	TBLASTX:Soybean
Start	2430	End	3045
GI	none	Score	46
Exons	2430..2531, 2622..2687, 2633..2686, 2693..2737, 2734..2826, 2742..2825, 2894..2956, 2956..3045		

Seq. No.	44592	Seq. ID	OJ000250_02.0313.C34
Gene No.	94025	Strand	+
Start	58	End	660
Name	OJ000250_02.0313.C34.o1.gs	Method	GENSCAN
Start	58	End	660
GI	none	Score	.44
Exons	58..72, 508..660		

Seq. No.	44593	Seq. ID	OJ000210_08.0307.C2
Gene No.	94026	Strand	-

Start	309	End	721
Name	OJ000210_08.0307.C2.o1.gs	Method	GENSCAN
Start	309	End	721
GI	none	Score	.74
Exons	309..426, 522..721		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94027	Strand	+
Start	3532	End	4983
Name	OJ000210_08.0307.C3.o2.np	Method	AAT/NAP
Start	3532	End	4983
GI	5042463	Score	124
Exons	3532..3596, 4754..4983		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94028	Strand	-
Start	1	End	2703
Name	OJ000210_08.0307.C3.o1.np	Method	AAT/NAP
Start	1	End	2633
GI	3738327	Score	647
Exons	1..57, 280..358, 448..573, 707..1004, 1135..1223, 1323..1415, 1568..1663, 2142..2276, 2381..2633		
GI Descrip.	(AC005170) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94028	Strand	-
Start	1	End	2703
Name	OJ000210_08.0307.C3.o1.gs	Method	GENSCAN
Start	280	End	2703
GI	none	Score	.83
Exons	280..375, 471..598, 726..1004, 1135..1223, 1568..1663, 2142..2249, 2385..2703		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94029	Strand	-
Start	4377	End	4605
Name	OJ000210_08.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2563
GI	none	Score	70
Exons	1..60, 3..59, 282..356, 494..574, 789..884, 867..1010, 925..1020, 1132..1230, 1142..1228, 1321..1416, 1322..1444, 1552..1662, 1569..1667, 1577..1663, 2146..2175, 2195..2251, 2197..2250, 2198..2251, 2383..2508, 2384..2506, 2386..2514, 2521..2559, 2522..2563		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94029	Strand	-
Start	4377	End	4605
Name	OJ000210_08.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	282	End	1417
GI	none	Score	60
Exons	282..356, 494..586, 789..1004, 925..1005, 1132..1224, 1132..1230, 1321..1416, 1322..1417		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3

Gene No.	94029	Strand	-
Start	4377	End	4605
Name	OJ000210_08.0307.C3.o2.tm	Method	TBLASTX:Maize
Start	488	End	929
GI	none	Score	115
Exons	488..589, 489..593, 726..929, 743..904, 759..926, 766..927		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94029	Strand	-
Start	4377	End	4605
Name	OJ000210_08.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	930	End	1419
GI	none	Score	89
Exons	930..1004, 931..1005, 1132..1230, 1139..1228, 1313..1408, 1321..1419, 1321..1416		

Seq. No.	44594	Seq. ID	OJ000210_08.0307.C3
Gene No.	94029	Strand	-
Start	4377	End	4605
Name	OJ000210_08.0307.C3.o2.gs	Method	GENSCAN
Start	4377	End	4605
GI	none	Score	.88
Exons	4377..4605		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94030	Strand	+
Start	306	End	3274
Name	OJ000210_08.0307.C6.o1.gs	Method	GENSCAN
Start	306	End	3013
GI	none	Score	.95
Exons	306..312, 1616..1805, 2037..2338, 2412..3013		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94030	Strand	+
Start	306	End	3274
Name	OJ000210_08.0307.C6.o1.np	Method	AAT/NAP
Start	1035	End	3274
GI	4680182	Score	233
Exons	1035..1534, 3145..3274		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94031	Strand	+
Start	6859	End	7107
Name	OJ000210_08.0307.C6.o3.gs	Method	GENSCAN
Start	6859	End	7107
GI	none	Score	.75
Exons	6859..6930, 6979..7107		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94032	Strand	+
Start	8448	End	11080
Name	OJ000210_08.0307.C6.o2.np	Method	AAT/NAP
Start	8448	End	9912
GI	1362009	Score	225
Exons	8448..8564, 9675..9912		
GI Descrip.	polyubiquitin 2 - Arabidopsis thaliana		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94032	Strand	+
Start	8448	End	11080
Name	OJ000210_08.0307.C6.o5.gs	Method	GENSCAN
Start	8855	End	11080
GI	none	Score	.46
Exons	8855..9003, 9639..9851, 10888..11080		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94033	Strand	+
Start	12201	End	15804
Name	OJ000210_08.0307.C6.o6.gs	Method	GENSCAN
Start	12201	End	14087
GI	none	Score	.74
Exons	12201..13416, 13891..14087		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94033	Strand	+
Start	12201	End	15804
Name	OJ000210_08.0307.C6.o3.np	Method	AAT/NAP
Start	13746	End	15789
GI	7523517	Score	240
Exons	13746..14056, 14174..14213, 15770..15789		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94033	Strand	+
Start	12201	End	15804
Name	OJ000210_08.0307.C6.o4.np	Method	AAT/NAP
Start	15373	End	15698
GI	232026	Score	344
Exons	15373..15433, 15518..15698		
GI Descrip.	EC PROTEIN III (ZINC-METALLOTHIONEIN CLASS II) gi|283017|pir||S27366 metallothionein Ec - wheat gi|21726|emb|CAA48351.1| (X68291) Ec protein, Metallothionein(class II) [Triticum aestivum] gi|21728|emb|CAA48348.1| (X68288) Ec protein,Metallothionein(class II) [Triticum aestivum]		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94033	Strand	+
Start	12201	End	15804
Name	OJ000210_08.0307.C6.o7.gs	Method	GENSCAN
Start	15373	End	15804
GI	none	Score	.84
Exons	15373..15804		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94034	Strand	-
Start	7782	End	8183
Name	OJ000210_08.0307.C6.o4.gs	Method	GENSCAN
Start	7782	End	8183
GI	none	Score	.73
Exons	7782..7999, 8038..8174, 8176..8183		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6

Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o2.tm	Method	TBLASTX:Maize
Start	1130	End	1529
GI	none	Score	99
Exons	1130..1234, 1131..1235, 1266..1529, 1286..1408		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	9669	End	9905
GI	none	Score	205
Exons	9669..9848, 9678..9845, 9685..9873, 9691..9843, 9867..9905		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	9670	End	9905
GI	none	Score	138
Exons	9670..9843, 9672..9905, 9678..9905, 9685..9873		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	9678	End	9873
GI	none	Score	205
Exons	9678..9845, 9685..9873, 9690..9842, 9691..9843		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o4.tm	Method	TBLASTX:Maize
Start	9678	End	9905
GI	none	Score	201
Exons	9678..9845, 9685..9873, 9690..9848, 9691..9843, 9867..9905		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o3.tc	Method	TBLASTX:Cress
Start	15361	End	15623
GI	none	Score	97
Exons	15361..15432, 15384..15434, 15504..15623, 15512..15598		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o3.tm	Method	TBLASTX:Maize
Start	15367	End	15641
GI	none	Score	41
Exons	15367..15402, 15372..15434, 15373..15432, 15507..15596, 15525..15641, 15527..15640		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6

Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o1.gp	Method	AAT/GAP
Start	16292	End	18992
GI	20900_1.R1084	Score	2814
Exons	16292..16950, 17025..17117, 17909..17937, 18042..18100, 18173..18286, 18377..18666, 18744..18992		
GI Descrip.	'4584343/gb|AAD25138.1|AC007127_4 9.0e-48 (AC007127) putative ubiquitin protein [Arabidopsis thaliana]'		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o2.tc	Method	TBLASTX:Cress
Start	16767	End	18551
GI	none	Score	133
Exons	16767..16949, 16772..16954, 16803..16952, 17056..17121, 18168..18281, 18173..18289, 18173..18289, 18374..18448, 18377..18484, 18381..18551		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o2.ts	Method	TBLASTX:Soybean
Start	16788	End	18268
GI	none	Score	133
Exons	16788..16952, 16802..16948, 18173..18268		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o2.tw	Method	TBLASTX:Wheat
Start	16801	End	16954
GI	none	Score	158
Exons	16801..16947, 16802..16954, 16803..16952		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o8.gs	Method	GENSCAN
Start	16802	End	18957
GI	none	Score	.82
Exons	16802..16950, 18042..18123, 18173..18286, 18377..18666, 18744..18957		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	16803	End	18991
GI	none	Score	165
Exons	16803..16952, 16808..16954, 17026..17109, 17040..17105, 18060..18104, 18060..18107, 18173..18289, 18173..18289, 18368..18478, 18374..18448, 18381..18503, 18475..18522, 18477..18521, 18569..18667, 18574..18666, 18735..18884, 18737..18859, 18742..18990, 18749..18991, 18805..18990		

Seq. No.	44595	Seq. ID	OJ000210_08.0307.C6
Gene No.	94035	Strand	-
Start	16292	End	18992
Name	OJ000210_08.0307.C6.o5.np	Method	AAT/NAP
Start	16805	End	18992
GI	4584342	Score	611
Exons	16805..16950, 17028..17196, 18173..18286, 18377..18582, 18744..18992		
GI Descrip.	(AC007127) putative ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94036	Strand	+
Start	4528	End	10625
Name	OJ000210_08.0307.C7.o2.gs	Method	GENSCAN
Start	4528	End	10625
GI	none	Score	.67
Exons	4528..4648, 4857..5011, 7194..7365, 7489..7631, 7651..7684, 7813..7922, 8040..8221, 8425..8560, 8650..8864, 9461..9526, 10034..10160, 10575..10625		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94036	Strand	+
Start	4528	End	10625
Name	OJ000210_08.0307.C7.o3.gp	Method	AAT/GAP
Start	7452	End	7867
GI	426542	Score	512
Exons	7452..7684, 7813..7867		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94036	Strand	+
Start	4528	End	10625
Name	OJ000210_08.0307.C7.o3.np	Method	AAT/NAP
Start	7564	End	8895
GI	7339498	Score	617
Exons	7564..7684, 7813..7922, 8040..8221, 8425..8560, 8650..8895		
GI Descrip.	(AL162459) putative protein [Arabidopsis thaliana]		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94037	Strand	-
Start	1	End	2324
Name	OJ000210_08.0307.C7.o1.gp	Method	AAT/GAP
Start	1	End	205
GI	20900_1.R1084	Score	394
Exons	1..205		
GI Descrip.	'4584343/gb|AAD25138.1|AC007127_4 9.0e-48 (AC007127) putative ubiquitin protein [Arabidopsis thaliana]'		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94037	Strand	-
Start	1	End	2324
Name	OJ000210_08.0307.C7.o1.np	Method	AAT/NAP
Start	1	End	2177
GI	4584342	Score	580
Exons	1..426, 1937..2177		
GI Descrip.	(AC007127) putative ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94037	Strand	-
Start	1	End	2324
Name	OJ000210_08.0307.C7.o1.gs	Method	GENSCAN
Start	37	End	2201
GI	none	Score	.67
Exons	37..426, 1937..2201		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94037	Strand	-
Start	1	End	2324
Name	OJ000210_08.0307.C7.o2.gp	Method	AAT/GAP
Start	307	End	2324
GI	48182_1.R1084	Score	984
Exons	307..426, 1937..2324		
GI Descrip.	'4584343/gb|AAD25138.1|AC007127_4 1.0e-20 (AC007127) putative ubiquitin protein [Arabidopsis thaliana]'		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94038	Strand	-
Start	4078	End	6073
Name	OJ000210_08.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2108
GI	none	Score	166
Exons	2..280, 3..281, 276..293, 392..427, 1935..2108, 1938..2105		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94038	Strand	-
Start	4078	End	6073
Name	OJ000210_08.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	2	End	2108
GI	none	Score	273
Exons	2..256, 3..257, 13..261, 266..427, 268..423, 1935..2108, 1938..2108		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94038	Strand	-
Start	4078	End	6073
Name	OJ000210_08.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	212	End	2108
GI	none	Score	116
Exons	212..250, 278..298, 392..442, 1935..2108, 1938..2105		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94038	Strand	-
Start	4078	End	6073
Name	OJ000210_08.0307.C7.o2.np	Method	AAT/NAP
Start	4078	End	6073
GI	4680492	Score	264
Exons	4078..4384, 6042..6073		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94039	Strand	
Start	7617	End	8916
Name	OJ000210_08.0307.C7.o1.tm	Method	TBLASTX:Maize

Start	7617	End	8915
GI	none	Score	67
Exons	7617..7733, 7805..7924, 7809..7940, 8034..8108, 8037..8111, 8087..8137, 8088..8222, 8115..8222, 8419..8439, 8423..8440, 8450..8485, 8452..8493, 8482..8523, 8488..8541, 8489..8539, 8646..8681, 8646..8915, 8647..8895		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94039	Strand	
Start	7617	End	8916
Name	OJ000210_08.0307.C7.o2.ts	Method	TBLASTX:Soybean
Start	7805	End	8898
GI	none	Score	147
Exons	7805..7918, 7809..7976, 8037..8099, 8088..8222, 8450..8599, 8464..8562, 8647..8781, 8649..8780, 8788..8898, 8790..8879		

Seq. No.	44596	Seq. ID	OJ000210_08.0307.C7
Gene No.	94039	Strand	
Start	7617	End	8916
Name	OJ000210_08.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	8721	End	8916
GI	none	Score	269
Exons	8721..8897, 8722..8898, 8728..8916, 8741..8908		

Seq. No.	44597	Seq. ID	OJ000210_08.0307.C9
Gene No.	94040	Strand	+
Start	443	End	557
Name	OJ000210_08.0307.C9.o1.gs	Method	GENSCAN
Start	443	End	557
GI	none	Score	.41
Exons	443..557		

Seq. No.	44597	Seq. ID	OJ000210_08.0307.C9
Gene No.	94041	Strand	-
Start	316	End	761
Name	OJ000210_08.0307.C9.o1.np	Method	AAT/NAP
Start	316	End	761
GI	4539671	Score	114
Exons	316..510, 697..761		
GI Descrip.	(AF061282) serine carboxypeptidase [Sorghum bicolor]		

Seq. No.	44597	Seq. ID	OJ000210_08.0307.C9
Gene No.	94041	Strand	-
Start	316	End	761
Name	OJ000210_08.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	354	End	517
GI	none	Score	106
Exons	354..509, 355..513, 358..507, 359..517		

Seq. No.	44597	Seq. ID	OJ000210_08.0307.C9
Gene No.	94041	Strand	-
Start	316	End	761
Name	OJ000210_08.0307.C9.o1.tc	Method	TBLASTX:Cress
Start	358	End	516
GI	none	Score	119
Exons	358..516, 365..511		

Seq. No.	44597	Seq. ID	OJ000210_08.0307.C9
Gene No.	94041	Strand	-
Start	316	End	761
Name	OJ000210_08.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	358	End	511
GI	none	Score	123
Exons	358..510, 365..511		

Seq. No.	44598	Seq. ID	OJ000210_08.0307.C11
Gene No.	94042	Strand	-
Start	129	End	671
Name	OJ000210_08.0307.C11.o1.gs	Method	GENSCAN
Start	129	End	671
GI	none	Score	.51
Exons	129..329, 597..671		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94043	Strand	+
Start	9076	End	11146
Name	OJ000210_08.0307.C12.o3.np	Method	AAT/NAP
Start	9076	End	11146
GI	7523517	Score	284
Exons	9076..9376, 9521..9599, 11121..11146		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94044	Strand	-
Start	98	End	1068
Name	OJ000210_08.0307.C12.o1.np	Method	AAT/NAP
Start	98	End	1040
GI	3370780	Score	654
Exons	98..464, 539..650, 740..1040		
GI Descrip.	(AB016497) chitinase [Oryza sativa]		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94044	Strand	-
Start	98	End	1068
Name	OJ000210_08.0307.C12.o1.gp	Method	AAT/GAP
Start	535	End	1068
GI	63_1.R1084	Score	790
Exons	535..650, 740..1068		
GI Descrip.	'3370780/dbj|BAA31997| 1.0e-139 (AB016497) chitinase [Oryza sativa]'		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94044	Strand	-
Start	98	End	1068
Name	OJ000210_08.0307.C12.o1.gs	Method	GENSCAN
Start	539	End	1040
GI	none	Score	.79
Exons	539..650, 740..1040		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94045	Strand	-
Start	2074	End	2406
Name	OJ000210_08.0307.C12.o2.gp	Method	AAT/GAP
Start	2074	End	2406

GI	1944261	Score	608
Exons	2074..2406		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	538	End	942
GI	none	Score	168
Exons	538..654, 539..652, 738..935, 739..942		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o3.tc	Method	TBLASTX:Cress
Start	541	End	935
GI	none	Score	38
Exons	541..585, 580..624, 590..619, 738..935, 739..771, 808..882		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	786	End	942
GI	none	Score	142
Exons	786..935, 808..942		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o2.gs	Method	GENSCAN
Start	2449	End	10075
GI	none	Score	.74
Exons	2449..2703, 2839..2952, 3068..3241, 3754..3942, 4277..4362, 4762..4867, 5409..5542, 6236..6371, 6530..6814, 9051..9105, 9957..10075		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	2450	End	2715
GI	none	Score	389
Exons	2450..2707, 2450..2692, 2458..2715		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	2451	End	5516
GI	none	Score	134
Exons	2451..2705, 2458..2709, 2471..2734, 2839..2949, 2839..2940, 2852..2953, 2855..2950, 2856..2960, 3065..3175, 3069..3164, 3069..3191, 3194..3235, 3199..3240, 3733..3978, 3752..3943, 3759..3959, 4275..4361, 4280..4363, 4281..4364, 4751..4870, 4758..4889, 4760..4870, 4762..4878, 5400..5516		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	2455	End	2676
GI	none	Score	229
Exons	2455..2676, 2471..2674, 2500..2676		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o2.np	Method	AAT/NAP
Start	2464	End	9268
GI	6633851	Score	1114
Exons	2464..2703, 2839..2955, 3068..3190, 3805..3942, 4277..4362, 4762..4867, 5409..5542, 6236..6450, 6530..6739, 9249..9268		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o4.tc	Method	TBLASTX:Cress
Start	2677	End	5489
GI	none	Score	69
Exons	2677..2709, 2839..2937, 2843..2953, 3077..3166, 3078..3167, 3733..3978, 3770..3943, 4280..4363, 4281..4364, 4757..4870, 4760..4870, 5409..5489		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o3.gp	Method	AAT/GAP
Start	2826	End	4363
GI	63241_1.R1084	Score	1040
Exons	2826..2952, 3068..3241, 3754..3942, 4277..4363		
GI Descrip.	'3080427/emb|CAA18746.1| 5.0e-65 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	2839	End	3256
GI	none	Score	121
Exons	2839..2940, 2840..2953, 3065..3175, 3068..3256, 3075..3242, 3218..3244		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o5.tm	Method	TBLASTX:Maize
Start	3750	End	3934
GI	none	Score	174
Exons	3750..3836, 3751..3933, 3752..3904, 3752..3934		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-

Start	2449	End	20324
Name	OJ000210_08.0307.C12.o6.tm	Method	TBLASTX:Maize
Start	4278	End	4878
GI	none	Score	117
Exons	4278..4364, 4280..4363, 4757..4870, 4760..4870, 4762..4878		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o4.tm	Method	TBLASTX:Maize
Start	5409	End	6904
GI	none	Score	159
Exons	5409..5543, 5409..5540, 5410..5541, 6231..6371, 6232..6372, 6515..6577, 6516..6584, 6530..6595, 6596..6667, 6623..6697, 6627..6689, 6854..6904		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o2.tc	Method	TBLASTX:Cress
Start	5496	End	6697
GI	none	Score	119
Exons	5496..5540, 6231..6371, 6232..6372, 6515..6577, 6516..6584, 6621..6671, 6623..6697		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o2.ts	Method	TBLASTX:Soybean
Start	6231	End	6697
GI	none	Score	118
Exons	6231..6371, 6232..6372, 6515..6577, 6516..6584, 6527..6592, 6621..6665, 6623..6697		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o4.np	Method	AAT/NAP
Start	6726	End	20324
GI	2129478	Score	236
Exons	6726..6835, 16102..16275, 20068..20324		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o3.gs	Method	GENSCAN
Start	12580	End	14763
GI	none	Score	.64
Exons	12580..12657, 12854..12969, 14736..14763		

Seq. No.	44599	Seq. ID	OJ000210_08.0307.C12
Gene No.	94046	Strand	-
Start	2449	End	20324
Name	OJ000210_08.0307.C12.o4.gs	Method	GENSCAN

Start	15859	End	16794
GI	none	Score	.99
Exons	15859..16794		

Seq. No.	44600	Seq. ID	OJ000210_08.0307.C13
Gene No.	94047	Strand	-
Start	306	End	598
Name	OJ000210_08.0307.C13.o1.gs	Method	GENSCAN
Start	306	End	598
GI	none	Score	.53
Exons	306..371, 487..598		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94048	Strand	+
Start	1	End	3540
Name	OJ000210_08.0307.C15.o1.np	Method	AAT/NAP
Start	1	End	3537
GI	1707015	Score	1069
Exons	1..111, 1005..1179, 1735..1940, 2982..3537		
GI Descrip.	(U78721) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94048	Strand	+
Start	1	End	3540
Name	OJ000210_08.0307.C15.o1.gp	Method	AAT/GAP
Start	137	End	1137
GI	none	Score	792
Exons	137..255, 715..887, 982..1137		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94048	Strand	+
Start	1	End	3540
Name	OJ000210_08.0307.C15.o1.gs	Method	GENSCAN
Start	168	End	3540
GI	none	Score	.78
Exons	168..255, 646..731, 982..1179, 1735..1940, 2982..3540		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94049	Strand	-
Start	4221	End	5725
Name	OJ000210_08.0307.C15.o1.ts	Method	TBLASTX:Soybean
Start	1039	End	3438
GI	none	Score	111
Exons	1039..1137, 1041..1136, 1156..1182, 1733..1750, 1734..1865, 1735..1833, 1807..1941, 2949..3146, 2976..3212, 2977..3438, 3166..3348, 3288..3437		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94049	Strand	-
Start	4221	End	5725
Name	OJ000210_08.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	1882	End	3528
GI	none	Score	67
Exons	1882..1941, 2976..3182, 2977..3189, 2977..3189, 3202..3450, 3217..3432, 3297..3449, 3442..3528		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15

Gene No.	94049	Strand	-
Start	4221	End	5725
Name	OJ000210_08.0307.C15.o1.tc	Method	TBLASTX:Cress
Start	2961	End	3528
GI	none	Score	140
Exons	2961..3227, 2977..3462, 2977..3462, 3279..3464, 3284..3463, 3472..3528		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94049	Strand	-
Start	4221	End	5725
Name	OJ000210_08.0307.C15.o1.tw	Method	TBLASTX:Wheat
Start	3045	End	3372
GI	none	Score	384
Exons	3045..3212, 3046..3372, 3121..3369, 3288..3371		

Seq. No.	44601	Seq. ID	OJ000210_08.0307.C15
Gene No.	94049	Strand	-
Start	4221	End	5725
Name	OJ000210_08.0307.C15.o2.gs	Method	GENSCAN
Start	4221	End	5725
GI	none	Score	.78
Exons	4221..4235, 4282..4494, 5522..5619, 5684..5725		

Seq. No.	44602	Seq. ID	OJ000210_08.0307.C16
Gene No.	94050	Strand	-
Start	439	End	1409
Name	OJ000210_08.0307.C16.o1.gs	Method	GENSCAN
Start	439	End	1409
GI	none	Score	.8
Exons	439..753, 1273..1409		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94051	Strand	+
Start	6102	End	7937
Name	OJ000250_06.0309.C2.o3.gs	Method	GENSCAN
Start	6102	End	7937
GI	none	Score	.48
Exons	6102..6116, 6973..7054, 7600..7937		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94052	Strand	-
Start	178	End	4238
Name	OJ000250_06.0309.C2.o1.gs	Method	GENSCAN
Start	178	End	3018
GI	none	Score	.62
Exons	178..406, 958..1155, 1190..1342, 1884..1909, 2869..3018		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94052	Strand	-
Start	178	End	4238
Name	OJ000250_06.0309.C2.o1.np	Method	AAT/NAP
Start	1307	End	4189
GI	6689616	Score	357
Exons	1307..1423, 3361..3450, 3505..3921, 4024..4189		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94052	Strand	-
Start	178	End	4238
Name	OJ000250_06.0309.C2.o1.gp	Method	AAT/GAP
Start	3170	End	3713
GI	3763517	Score	971
Exons	3170..3713		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94052	Strand	-
Start	178	End	4238
Name	OJ000250_06.0309.C2.o2.gs	Method	GENSCAN
Start	3413	End	4174
GI	none	Score	1
Exons	3413..3921, 4024..4174		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94052	Strand	-
Start	178	End	4238
Name	OJ000250_06.0309.C2.o2.gp	Method	AAT/GAP
Start	3508	End	4238
GI	25600_5.R1084	Score	741
Exons	3508..3681, 3704..3921, 4024..4238		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94053	Strand	-
Start	6318	End	7870
Name	OJ000250_06.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	3590	End	4084
GI	none	Score	36
Exons	3590..3634, 3657..3683, 3696..3800, 3707..3799, 3815..3922, 3816..3923, 4007..4084, 4023..4076		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94053	Strand	-
Start	6318	End	7870
Name	OJ000250_06.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	3695	End	4084
GI	none	Score	94
Exons	3695..3799, 3699..3800, 3815..3916, 3816..3914, 3895..3915, 4021..4062, 4022..4084, 4023..4076		

Seq. No.	44603	Seq. ID	OJ000250_06.0309.C2
Gene No.	94053	Strand	-
Start	6318	End	7870
Name	OJ000250_06.0309.C2.o2.np	Method	AAT/NAP
Start	6318	End	7870
GI	7304247	Score	18
Exons	6318..6350, 7552..7718, 7776..7870		
GI Descrip.	(AE003842) CG11084 gene product [Drosophila melanogaster]		

Seq. No.	44604	Seq. ID	OJ000250_06.0309.C8
Gene No.	94054	Strand	+
Start	609	End	778
Name	OJ000250_06.0309.C8.o1.np	Method	AAT/NAP

Start	603	End	778
GI	6689616	Score	98
Exons	603..778		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44604	Seq. ID	OJ000250_06.0309.C8
Gene No.	94054	Strand	+
Start	609	End	778
Name	OJ000250_06.0309.C8.o1.gs	Method	GENSCAN
Start	609	End	768
GI	none	Score	1
Exons	609..768		

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94055	Strand	-
Start	1	End	1187
Name	OJ000250_06.0309.C9.o1.np	Method	AAT/NAP
Start	1	End	1187
GI	6689616	Score	369
Exons	1..58, 498..911, 1022..1187		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94055	Strand	-
Start	1	End	1187
Name	OJ000250_06.0309.C9.o1.gs	Method	GENSCAN
Start	403	End	1187
GI	none	Score	.66
Exons	403..732, 746..963, 1022..1187		

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94055	Strand	-
Start	1	End	1187
Name	OJ000250_06.0309.C9.o1.gp	Method	AAT/GAP
Start	740	End	1164
GI	2431531	Score	435
Exons	740..911, 1022..1164		

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94056	Strand	-
Start	4378	End	8680
Name	OJ000250_06.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	580	End	1160
GI	none	Score	36
Exons	580..624, 647..673, 686..790, 1020..1160, 1020..1082	697..789, 805..912, 806..913,	

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94056	Strand	-
Start	4378	End	8680
Name	OJ000250_06.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	685	End	1082
GI	none	Score	90
Exons	685..789, 689..790, 805..906,	806..904, 1020..1082	

Seq. No.	44605	Seq. ID	OJ000250_06.0309.C9
Gene No.	94056	Strand	-

Start	4378	End	8680
Name	OJ000250_06.0309.C9.o2.np	Method	AAT/NAP
Start	4378	End	8680
GI	100210	Score	73
Exons	4378..4571, 5642..5722, 8642..8680		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94057	Strand	+
Start	1293	End	7493
Name	OJ000250_06.0309.C10.o1.gs	Method	GENSCAN
Start	1293	End	6077
GI	none	Score	.57
Exons	1293..1414, 2593..2614, 2962..3148, 5839..6077		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94057	Strand	+
Start	1293	End	7493
Name	OJ000250_06.0309.C10.o1.np	Method	AAT/NAP
Start	5813	End	7493
GI	6539588	Score	238
Exons	5813..6145, 7453..7493		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94058	Strand	-
Start	4233	End	7143
Name	OJ000250_06.0309.C10.o2.np	Method	AAT/NAP
Start	4233	End	7119
GI	6689616	Score	340
Exons	4233..4284, 5426..5460, 6456..6850, 6954..7119		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94058	Strand	-
Start	4233	End	7143
Name	OJ000250_06.0309.C10.o2.gs	Method	GENSCAN
Start	6342	End	7143
GI	none	Score	.89
Exons	6342..6850, 6954..7143		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94058	Strand	-
Start	4233	End	7143
Name	OJ000250_06.0309.C10.o1.gp	Method	AAT/GAP
Start	6679	End	7103
GI	2431531	Score	412
Exons	6679..6850, 6954..7103		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94059	Strand	-
Start	10233	End	11493
Name	OJ000250_06.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	6519	End	7065
GI	none	Score	105
Exons	6519..6563, 6636..6728, 6637..6729, 6744..6851, 6745..6852,		

6940..7014, 6952..7065

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94059	Strand	-
Start	10233	End	11493
Name	OJ000250_06.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	6627	End	7041
GI	none	Score	90
Exons	6627..6728, 6628..6729, 6744..6845, 6745..6843, 6952..7041, 6952..7014		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94059	Strand	-
Start	10233	End	11493
Name	OJ000250_06.0309.C10.o2.gp	Method	AAT/GAP
Start	9488	End	9654
GI	6756_1.R1084	Score	240
Exons	9488..9654		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	44606	Seq. ID	OJ000250_06.0309.C10
Gene No.	94059	Strand	-
Start	10233	End	11493
Name	OJ000250_06.0309.C10.o3.gs	Method	GENSCAN
Start	10233	End	11493
GI	none	Score	.63
Exons	10233..10427, 10897..11025, 11131..11493		

Seq. No.	44607	Seq. ID	OJ000250_06.0309.C12
Gene No.	94060	Strand	+
Start	1483	End	1640
Name	OJ000250_06.0309.C12.o1.gs	Method	GENSCAN
Start	1483	End	1640
GI	none	Score	.5
Exons	1483..1640		

Seq. No.	44608	Seq. ID	OJ000250_06.0309.C13
Gene No.	94062	Strand	-
Start	1	End	1883
Name	OJ000250_06.0309.C13.o1.np	Method	AAT/NAP
Start	1	End	1883
GI	7485245	Score	17
Exons	1..35, 577..720, 1863..1883		
GI Descrip.	hypothetical protein A_IG002P16.17 - Arabidopsis thaliana gi|2191178|gb|AAB61064.1| (AF007270) contains similarity to MIPP proteins [Arabidopsis thaliana]		

Seq. No.	44608	Seq. ID	OJ000250_06.0309.C13
Gene No.	94062	Strand	-
Start	1	End	1883
Name	OJ000250_06.0309.C13.o1.gs	Method	GENSCAN
Start	409	End	1658
GI	none	Score	.6
Exons	409..732, 1002..1658		

Seq. No.	44609	Seq. ID	OJ000250_06.0309.C14
Gene No.	94063	Strand	-
Start	15	End	745
Name	OJ000250_06.0309.C14.o1.gs	Method	GENSCAN
Start	15	End	745
GI	none	Score	.42
Exons	15..41, 224..374, 663..745		

Seq. No.	44610	Seq. ID	OJ000250_06.0309.C15
Gene No.	94064	Strand	-
Start	524	End	591
Name	OJ000250_06.0309.C15.o1.gs	Method	GENSCAN
Start	524	End	591
GI	none	Score	.75
Exons	524..591		

Seq. No.	44610	Seq. ID	OJ000250_06.0309.C15
Gene No.	94065	Strand	-
Start	632	End	690
Name	OJ000250_06.0309.C15.o1.gp	Method	AAT/GAP
Start	632	End	690
GI	2312838	Score	72
Exons	632..690		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	44611	Seq. ID	OJ000250_06.0309.C16
Gene No.	94066	Strand	+
Start	216	End	989
Name	OJ000250_06.0309.C16.o1.np	Method	AAT/NAP
Start	216	End	989
GI	6689616	Score	274
Exons	216..733, 860..989		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44611	Seq. ID	OJ000250_06.0309.C16
Gene No.	94066	Strand	+
Start	216	End	989
Name	OJ000250_06.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	377	End	989
GI	none	Score	43
Exons	377..409, 390..422, 414..584, 600..638, 716..748, 717..749, 818..880, 821..877, 821..841,	468..509, 491..583, 599..640, 723..761, 723..749, 797..871, 924..965, 942..989	

Seq. No.	44611	Seq. ID	OJ000250_06.0309.C16
Gene No.	94066	Strand	+
Start	216	End	989
Name	OJ000250_06.0309.C16.o1.gs	Method	GENSCAN
Start	382	End	852
GI	none	Score	.46
Exons	382..852		

Seq. No.	44611	Seq. ID	OJ000250_06.0309.C16
Gene No.	94066	Strand	+
Start	216	End	989
Name	OJ000250_06.0309.C16.o1.tw	Method	TBLASTX:Wheat

Start	386	End	604
GI	none	Score	39
Exons	386..409, 387..410, 423..584,	462..512,	491..604

Seq. No.	44611	Seq. ID	OJ000250_06.0309.C16
Gene No.	94066	Strand	+
Start	216	End	989
Name	OJ000250_06.0309.C16.o2.np	Method	AAT/NAP
Start	459	End	989
GI	7472740	Score	95
Exons	459..989		
GI Descrip.	hypothetical protein - Deinococcus radiodurans (strain R1) gi|6458143|gb|AAF10038.1|AE001904_14 (AE001904) hypothetical protein [Deinococcus radiodurans]		

Seq. No.	44612	Seq. ID	OJ000250_06.0309.C17
Gene No.	94067	Strand	+
Start	686	End	865
Name	OJ000250_06.0309.C17.o1.gs	Method	GENSCAN
Start	686	End	865
GI	none	Score	.96
Exons	686..865		

Seq. No.	44612	Seq. ID	OJ000250_06.0309.C17
Gene No.	94068	Strand	-
Start	1457	End	4008
Name	OJ000250_06.0309.C17.o1.np	Method	AAT/NAP
Start	1457	End	3122
GI	7340860	Score	64
Exons	1457..1482, 2966..3122		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44612	Seq. ID	OJ000250_06.0309.C17
Gene No.	94068	Strand	-
Start	1457	End	4008
Name	OJ000250_06.0309.C17.o2.gs	Method	GENSCAN
Start	2934	End	4008
GI	none	Score	.82
Exons	2934..3078, 3911..4008		

Seq. No.	44613	Seq. ID	OJ000250_06.0309.C18
Gene No.	94069	Strand	+
Start	1345	End	1847
Name	OJ000250_06.0309.C18.o1.np	Method	AAT/NAP
Start	1345	End	1847
GI	6587832	Score	184
Exons	1345..1468, 1563..1847		
GI Descrip.	(AC006551) Similar to LeOPT1 [Lycopersicon esculentum] [Arabidopsis thaliana]		

Seq. No.	44613	Seq. ID	OJ000250_06.0309.C18
Gene No.	94069	Strand	+
Start	1345	End	1847
Name	OJ000250_06.0309.C18.o1.gs	Method	GENSCAN
Start	1357	End	1836
GI	none	Score	.93

Exons	1357..1468, 1563..1836		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94070	Strand	+
Start	1	End	774
Name	OJ000250_06.0309.C19.o1.np	Method	AAT/NAP
Start	1	End	771
GI	6587835	Score	597
Exons	1..771		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94070	Strand	+
Start	1	End	774
Name	OJ000250_06.0309.C19.o1.gs	Method	GENSCAN
Start	88	End	774
GI	none	Score	.47
Exons	88..774		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94071	Strand	+
Start	4753	End	8091
Name	OJ000250_06.0309.C19.o2.gs	Method	GENSCAN
Start	4753	End	7636
GI	none	Score	.44
Exons	4753..4801, 4848..5109, 6450..6614, 6726..6854, 6931..7085, 7196..7501, 7524..7636		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94071	Strand	+
Start	4753	End	8091
Name	OJ000250_06.0309.C19.o1.gp	Method	AAT/GAP
Start	7396	End	8091
GI	3548940	Score	928
Exons	7396..8091		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94072	Strand	+
Start	14669	End	18224
Name	OJ000250_06.0309.C19.o2.gp	Method	AAT/GAP
Start	14617	End	15554
GI	25600_2.R1084	Score	928
Exons	14617..14843, 15134..15554		
GI Descrip.	'3402282/emb|CAA04449| 8.0e-12 (AJ000997) proline-rich protein [Solanum tuberosum]'		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94072	Strand	+
Start	14669	End	18224
Name	OJ000250_06.0309.C19.o4.gs	Method	GENSCAN
Start	14669	End	15775
GI	none	Score	.97
Exons	14669..14843, 15134..15410, 15412..15775		
Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94072	Strand	+
Start	14669	End	18224

Name	OJ000250_06.0309.C19.o2.np	Method	AAT/NAP
Start	14678	End	18224
GI	6689616	Score	322
Exons	14678..14843, 15134..15598, 18166..18224		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94072	Strand	+
Start	14669	End	18224
Name	OJ000250_06.0309.C19.o3.np	Method	AAT/NAP
Start	14705	End	15637
GI	7484961	Score	71
Exons	14705..14759, 15344..15637		
GI Descrip.	extensin homolog T9E8.80 - Arabidopsis thaliana gi|4584539|emb|CAB40769.1| (AL049608) extensin-like protein [Arabidopsis thaliana] gi|7268037|emb|CAB78376.1| (AL161536) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94073	Strand	-
Start	9373	End	12757
Name	OJ000250_06.0309.C19.o3.gs	Method	GENSCAN
Start	9373	End	12757
GI	none	Score	.93
Exons	9373..9401, 10242..10416, 11146..11358, 11437..11619, 12593..12757		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459
Name	OJ000250_06.0309.C19.o1.tw	Method	TBLASTX:Wheat
Start	436	End	686
GI	none	Score	169
Exons	436..627, 439..570, 613..669, 618..686		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459
Name	OJ000250_06.0309.C19.o4.np	Method	AAT/NAP
Start	14693	End	17477
GI	6539570	Score	186
Exons	14693..14762, 15393..15839, 17024..17090, 17283..17477		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459
Name	OJ000250_06.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	15132	End	15640
GI	none	Score	129
Exons	15132..15227, 15133..15228, 15274..15339, 15279..15338, 15366..15425, 15367..15426, 15539..15619, 15539..15610, 15617..15640		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459

Name	OJ000250_06.0309.C19.o3.gp	Method	AAT/GAP
Start	15414	End	16002
GI	none	Score	1044
Exons	15414..16002		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459
Name	OJ000250_06.0309.C19.o5.gs	Method	GENSCAN
Start	16301	End	18459
GI	none	Score	.52
Exons	16301..16375, 16712..16910, 17024..17044, 17287..17421, 18344..18459		

Seq. No.	44614	Seq. ID	OJ000250_06.0309.C19
Gene No.	94074	Strand	-
Start	14693	End	18459
Name	OJ000250_06.0309.C19.o5.np	Method	AAT/NAP
Start	17614	End	17691
GI	6630699	Score	79
Exons	17614..17691		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44615	Seq. ID	OJ000250_06.0309.C20
Gene No.	94075	Strand	+
Start	106	End	953
Name	OJ000250_06.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	60	End	336
GI	none	Score	106
Exons	60..314, 117..311, 139..336		

Seq. No.	44615	Seq. ID	OJ000250_06.0309.C20
Gene No.	94075	Strand	+
Start	106	End	953
Name	OJ000250_06.0309.C20.o1.gs	Method	GENSCAN
Start	106	End	953
GI	none	Score	.8
Exons	106..258, 582..953		

Seq. No.	44616	Seq. ID	OJ000250_06.0309.C21
Gene No.	94076	Strand	+
Start	1832	End	2230
Name	OJ000250_06.0309.C21.o1.np	Method	AAT/NAP
Start	1832	End	2230
GI	7487180	Score	262
Exons	1832..2230		
GI Descrip.	hypothetical protein T19K4.160 - Arabidopsis thaliana gi|3036807|emb|CAA18497.1| (AL022373) putative protein [Arabidopsis thaliana] gi|7270555|emb|CAB81512.1| (AL161588) putative protein [Arabidopsis thaliana]		

Seq. No.	44616	Seq. ID	OJ000250_06.0309.C21
Gene No.	94076	Strand	+
Start	1832	End	2230
Name	OJ000250_06.0309.C21.o1.gs	Method	GENSCAN

Start	1853	End	2175
GI	none	Score	.78
Exons	1853..2175		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94077	Strand	+
Start	1	End	3993
Name	OJ000210_06.0306.C2.o1.np	Method	AAT/NAP
Start	1	End	2502
GI	6862956	Score	1682
Exons	1..2502		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94077	Strand	+
Start	1	End	3993
Name	OJ000210_06.0306.C2.o1.gs	Method	GENSCAN
Start	89	End	3993
GI	none	Score	.42
Exons	89..2007, 2452..2567, 2866..3166, 3976..3993		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94078	Strand	+
Start	13656	End	14589
Name	OJ000210_06.0306.C2.o5.gs	Method	GENSCAN
Start	13656	End	14589
GI	none	Score	.83
Exons	13656..14096, 14575..14589		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94079	Strand	-
Start	4323	End	5046
Name	OJ000210_06.0306.C2.o2.gs	Method	GENSCAN
Start	4323	End	5046
GI	none	Score	.55
Exons	4323..4427, 5035..5046		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94080	Strand	-
Start	6533	End	7990
Name	OJ000210_06.0306.C2.o3.gs	Method	GENSCAN
Start	6533	End	7990
GI	none	Score	.96
Exons	6533..7990		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o1.tm	Method	TBLASTX:Maize
Start	1413	End	1782
GI	none	Score	308
Exons	1413..1661, 1414..1782, 1447..1698		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o1.ts	Method	TBLASTX:Soybean

Start	2019	End	2250
GI	none	Score	209
Exons	2019..2246, 2020..2250		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o1.tc	Method	TBLASTX:Cress
Start	2071	End	2328
GI	none	Score	244
Exons	2071..2328, 2082..2324		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o2.tm	Method	TBLASTX:Maize
Start	2074	End	2394
GI	none	Score	214
Exons	2074..2313, 2076..2270, 2308..2394		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o2.ts	Method	TBLASTX:Soybean
Start	2319	End	2502
GI	none	Score	73
Exons	2319..2459, 2320..2502, 2322..2498		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o1.tw	Method	TBLASTX:Wheat
Start	6962	End	9150
GI	none	Score	87
Exons	6962..7069, 7094..7327, 7223..7306, 9006..9149, 9024..9149, 9097..9150		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o2.np	Method	AAT/NAP
Start	13658	End	13978
GI	4309698	Score	125
Exons	13658..13978		
GI Descrip.	(AC006266) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	44617	Seq. ID	OJ000210_06.0306.C2
Gene No.	94081	Strand	-
Start	13658	End	13978
Name	OJ000210_06.0306.C2.o3.tm	Method	TBLASTX:Maize
Start	13659	End	13907
GI	none	Score	164
Exons	13659..13790, 13659..13790, 13660..13806, 13803..13907, 13803..13907		

Seq. No.	44618	Seq. ID	OJ000210_06.0306.C4
Gene No.	94082	Strand	+

Start	874	End	1293
Name	OJ000210_06.0306.C4.o1.np	Method	AAT/NAP
Start	874	End	1293
GI	6721516	Score	312
Exons	874..1121, 1194..1293		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44619	Seq. ID	OJ000210_06.0306.C5
Gene No.	94083	Strand	+
Start	1	End	2770
Name	OJ000210_06.0306.C5.o1.np	Method	AAT/NAP
Start	1	End	2770
GI	6721516	Score	229
Exons	1..221, 2672..2770		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44619	Seq. ID	OJ000210_06.0306.C5
Gene No.	94083	Strand	+
Start	1	End	2770
Name	OJ000210_06.0306.C5.o1.gs	Method	GENSCAN
Start	62	End	322
GI	none	Score	.52
Exons	62..187, 248..322		

Seq. No.	44619	Seq. ID	OJ000210_06.0306.C5
Gene No.	94084	Strand	-
Start	1160	End	2590
Name	OJ000210_06.0306.C5.o2.gs	Method	GENSCAN
Start	1160	End	2590
GI	none	Score	.5
Exons	1160..2590		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6
Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o1.tm	Method	TBLASTX:Maize
Start	962	End	1627
GI	none	Score	571
Exons	962..1627, 971..1075, 976..1626		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6
Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o1.ts	Method	TBLASTX:Soybean
Start	964	End	1626
GI	none	Score	72
Exons	964..1212, 1034..1204, 1246..1617, 1246..1626, 1253..1624		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6
Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o2.gs	Method	GENSCAN
Start	970	End	1584
GI	none	Score	.8
Exons	970..1584		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6

Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o1.np	Method	AAT/NAP
Start	973	End	1627
GI	6630685	Score	940
Exons	973..1627		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6
Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o1.tc	Method	TBLASTX:Cress
Start	991	End	1449
GI	none	Score	70
Exons	991..1236, 1043..1210, 1222..1356, 1360..1449		

Seq. No.	44620	Seq. ID	OJ000210_06.0306.C6
Gene No.	94085	Strand	-
Start	970	End	1627
Name	OJ000210_06.0306.C6.o1.tw	Method	TBLASTX:Wheat
Start	1036	End	1440
GI	none	Score	52
Exons	1036..1212, 1037..1156, 1231..1440, 1235..1336		

Seq. No.	44621	Seq. ID	OJ000210_06.0306.C7
Gene No.	94086	Strand	+
Start	1	End	728
Name	OJ000210_06.0306.C7.o1.np	Method	AAT/NAP
Start	1	End	728
GI	4416302	Score	591
Exons	1..728		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	44621	Seq. ID	OJ000210_06.0306.C7
Gene No.	94086	Strand	+
Start	1	End	728
Name	OJ000210_06.0306.C7.o2.tm	Method	TBLASTX:Maize
Start	17	End	306
GI	none	Score	182
Exons	17..199, 43..159, 47..199, 208..306, 212..298, 260..298		

Seq. No.	44621	Seq. ID	OJ000210_06.0306.C7
Gene No.	94086	Strand	+
Start	1	End	728
Name	OJ000210_06.0306.C7.o1.gs	Method	GENSCAN
Start	79	End	687
GI	none	Score	.42
Exons	79..687		

Seq. No.	44621	Seq. ID	OJ000210_06.0306.C7
Gene No.	94086	Strand	+
Start	1	End	728
Name	OJ000210_06.0306.C7.o1.tm	Method	TBLASTX:Maize
Start	356	End	684
GI	none	Score	299
Exons	356..619, 365..613, 391..618, 608..682, 608..670, 610..684		

Seq. No.	44621	Seq. ID	OJ000210_06.0306.C7
Gene No.	94086	Strand	+
Start	1	End	728
Name	OJ000210_06.0306.C7.o1.ts	Method	TBLASTX:Soybean
Start	386	End	727
GI	5509260	Score	376
Exons	386..727, 479..682, 496..726		
GI Descrip.	-		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94087	Strand	+
Start	157	End	4199
Name	OJ000210_06.0306.C8.o2.np	Method	AAT/NAP
Start	157	End	4199
GI	6721516	Score	583
Exons	157..178, 1878..2119, 2530..2842, 4168..4199		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94088	Strand	+
Start	4111	End	6490
Name	OJ000210_06.0306.C8.o2.gs	Method	GENSCAN
Start	4111	End	6490
GI	none	Score	.59
Exons	4111..4140, 4677..4882, 5237..5383, 5514..5632, 5647..5834, 5909..6022, 6150..6311, 6413..6490		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94089	Strand	+
Start	8296	End	8693
Name	OJ000210_06.0306.C8.o4.gs	Method	GENSCAN
Start	8296	End	8693
GI	none	Score	.84
Exons	8296..8553, 8646..8693		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94090	Strand	+
Start	10595	End	13468
Name	OJ000210_06.0306.C8.o5.np	Method	AAT/NAP
Start	9671	End	13468
GI	4512698	Score	1375
Exons	9671..9737, 10935..12360, 13412..13468		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94090	Strand	+
Start	10595	End	13468
Name	OJ000210_06.0306.C8.o5.gs	Method	GENSCAN
Start	10595	End	12370
GI	none	Score	1
Exons	10595..12370		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o1.gs	Method	GENSCAN

Start	53	End	3094
GI	none	Score	.83
Exons	53..1656, 2077..2224, 3039..3094		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o2.tw	Method	TBLASTX:Wheat
Start	1066	End	7477
GI	none	Score	81
Exons	1066..1389, 7124..7333, 7127..7477, 7332..7469		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o4.ts	Method	TBLASTX:Soybean
Start	1066	End	7468
GI	none	Score	70
Exons	1066..1398, 1462..1584, 7079..7468, 7143..7403		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o3.tm	Method	TBLASTX:Maize
Start	1090	End	7403
GI	none	Score	126
Exons	1090..1323, 7076..7402, 7103..7351, 7143..7403		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o4.np	Method	AAT/NAP
Start	2497	End	7546
GI	7228446	Score	510
Exons	2497..2526, 6946..7546		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o3.np	Method	AAT/NAP
Start	4368	End	8805
GI	6069646	Score	132
Exons	4368..4592, 8783..8805		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94091	Strand	-
Start	53	End	8805
Name	OJ000210_06.0306.C8.o3.gs	Method	GENSCAN
Start	6827	End	8027

GI	none	Score	.89
Exons	6827..7703, 7903..8027		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o3.ts	Method	TBLASTX:Soybean
Start	11030	End	11314
GI	none	Score	261
Exons	11030..11314		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o1.tw	Method	TBLASTX:Wheat
Start	11057	End	11505
GI	none	Score	119
Exons	11057..11179, 11066..11149, 11077..11166, 11224..11358, 11225..11419, 11429..11461, 11437..11460, 11455..11505, 11456..11503		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o1.tm	Method	TBLASTX:Maize
Start	11158	End	11703
GI	none	Score	565
Exons	11158..11703, 11225..11701		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o2.tc	Method	TBLASTX:Cress
Start	11314	End	11527
GI	none	Score	241
Exons	11314..11526, 11315..11527		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o2.ts	Method	TBLASTX:Soybean
Start	11351	End	11674
GI	none	Score	348
Exons	11351..11674, 11356..11670		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o1.tc	Method	TBLASTX:Cress
Start	11534	End	11902
GI	none	Score	327
Exons	11534..11830, 11554..11832, 11855..11902		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o1.ts	Method	TBLASTX:Soybean

Start	11677	End	12187
GI	none	Score	168
Exons	11677..11832, 11678..11830, 11819..12058, 11830..12012, 12041..12187		

Seq. No.	44622	Seq. ID	OJ000210_06.0306.C8
Gene No.	94092	Strand	
Start	11030	End	12187
Name	OJ000210_06.0306.C8.o2.tm	Method	TBLASTX:Maize
Start	11777	End	12037
GI	none	Score	59
Exons	11777..11830, 11830..12012, 11831..12037		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94093	Strand	+
Start	1	End	2875
Name	OJ000210_06.0306.C9.o1.np	Method	AAT/NAP
Start	1	End	2875
GI	7106515	Score	1302
Exons	1..267, 349..1977, 2796..2875		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o3.tm	Method	TBLASTX:Maize
Start	791	End	1160
GI	none	Score	307
Exons	791..1039, 792..1160, 825..1079		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o2.ts	Method	TBLASTX:Soybean
Start	1448	End	1628
GI	none	Score	207
Exons	1448..1621, 1449..1628		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o1.tc	Method	TBLASTX:Cress
Start	1449	End	1706
GI	none	Score	245
Exons	1449..1706, 1460..1702		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o4.tm	Method	TBLASTX:Maize
Start	1452	End	1772
GI	none	Score	215
Exons	1452..1691, 1454..1690, 1698..1772		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9

Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o3.ts	Method	TBLASTX:Soybean
Start	1698	End	1880
GI	none	Score	199
Exons	1698..1880, 1700..1879		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o6.tm	Method	TBLASTX:Maize
Start	3880	End	4323
GI	none	Score	205
Exons	3880..4323, 4026..4169		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o1.tm	Method	TBLASTX:Maize
Start	4336	End	4839
GI	none	Score	95
Exons	4336..4461, 4468..4746, 4503..4628, 4725..4838, 4732..4839		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o2.tm	Method	TBLASTX:Maize
Start	4966	End	5470
GI	none	Score	323
Exons	4966..5346, 5012..5470		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o1.ts	Method	TBLASTX:Soybean
Start	5084	End	5623
GI	none	Score	189
Exons	5084..5410, 5495..5623		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o1.tw	Method	TBLASTX:Wheat
Start	5105	End	5545
GI	none	Score	172
Exons	5105..5407, 5420..5545		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+
Start	5627	End	6468
Name	OJ000210_06.0306.C9.o2.gs	Method	GENSCAN
Start	5627	End	6352
GI	none	Score	.85
Exons	5627..6352		

Seq. No.	44623	Seq. ID	OJ000210_06.0306.C9
Gene No.	94094	Strand	+

Start	5627	End	6468
Name	OJ000210_06.0306.C9.o5.tm	Method	TBLASTX:Maize
Start	5921	End	6468
GI	none	Score	69
Exons	5921..6004, 6023..6094, 6097..6255, 6322..6468		

Seq. No.	44624	Seq. ID	OJ000210_06.0306.C10
Gene No.	94095	Strand	-
Start	66	End	1423
Name	OJ000210_06.0306.C10.o1.np	Method	AAT/NAP
Start	66	End	1423
GI	7485004	Score	626
Exons	66..477, 643..887, 968..1046, 1128..1423		
GI Descrip.	helicase homolog F22O13.8 - Arabidopsis thaliana gi|3063446|gb|AAC14034.1| (AC003981) F22O13.8 [Arabidopsis thaliana]		

Seq. No.	44624	Seq. ID	OJ000210_06.0306.C10
Gene No.	94095	Strand	-
Start	66	End	1423
Name	OJ000210_06.0306.C10.o1.gp	Method	AAT/GAP
Start	117	End	714
GI	LIB3431-005-P1-K1-F12	Score	789
Exons	117..474, 643..714		
GI Descrip.	'3063446 3.0e-15 (AC003981) F22O13.8 [Arabidopsis thaliana]'		

Seq. No.	44624	Seq. ID	OJ000210_06.0306.C10
Gene No.	94095	Strand	-
Start	66	End	1423
Name	OJ000210_06.0306.C10.o1.gs	Method	GENSCAN
Start	126	End	1046
GI	none	Score	.9
Exons	126..474, 643..887, 968..1046		

Seq. No.	44624	Seq. ID	OJ000210_06.0306.C10
Gene No.	94095	Strand	-
Start	66	End	1423
Name	OJ000210_06.0306.C10.o1.tm	Method	TBLASTX:Maize
Start	320	End	1337
GI	none	Score	41
Exons	320..352, 324..356, 358..474, 386..475, 642..755, 642..785, 764..853, 768..884, 770..889, 771..890, 963..1052, 965..1060, 967..1053, 1127..1333, 1128..1337		

Seq. No.	44624	Seq. ID	OJ000210_06.0306.C10
Gene No.	94095	Strand	-
Start	66	End	1423
Name	OJ000210_06.0306.C10.o1.ts	Method	TBLASTX:Soybean
Start	388	End	1337
GI	none	Score	76
Exons	388..474, 392..475, 783..884, 786..965, 788..889, 963..1049, 965..1048, 1124..1336, 1127..1333, 1128..1337		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94096	Strand	+
Start	1724	End	5538
Name	OJ000210_06.0306.C11.o1.np	Method	AAT/NAP

Start	1724	End	5538
GI	4512698	Score	1048
Exons	1724..1795, 3116..4329, 5513..5538		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94096	Strand	+
Start	1724	End	5538
Name	OJ000210_06.0306.C11.o1.gs	Method	GENSCAN
Start	2834	End	4333
GI	none	Score	.98
Exons	2834..4333		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94096	Strand	+
Start	1724	End	5538
Name	OJ000210_06.0306.C11.o1.gp	Method	AAT/GAP
Start	3723	End	3998
GI	LIB3434-026-P1-K1-G2	Score	529
Exons	3723..3998		
GI Descrip.	'2914698 2.0e-14 (AC003974) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o3.ts	Method	TBLASTX:Soybean
Start	3116	End	3376
GI	none	Score	120
Exons	3116..3211, 3281..3376, 3286..3375		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o1.tw	Method	TBLASTX:Wheat
Start	3122	End	3568
GI	none	Score	116
Exons	3122..3199, 3289..3480, 3290..3484, 3488..3526, 3520..3549, 3521..3568		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o1.tm	Method	TBLASTX:Maize
Start	3281	End	3720
GI	none	Score	430
Exons	3281..3715, 3283..3375, 3463..3549, 3596..3694, 3622..3720		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o2.ts	Method	TBLASTX:Soybean
Start	3422	End	3715
GI	none	Score	304
Exons	3422..3715		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11

Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o1.ts	Method	TBLASTX:Soybean
Start	3772	End	4236
GI	none	Score	59
Exons	3772..3807, 3773..3811, 3893..4234, 3928..4236		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o2.tm	Method	TBLASTX:Maize
Start	3893	End	4102
GI	none	Score	253
Exons	3893..4102, 3919..4101		

Seq. No.	44625	Seq. ID	OJ000210_06.0306.C11
Gene No.	94097	Strand	+
Start	6384	End	8937
Name	OJ000210_06.0306.C11.o2.gs	Method	GENSCAN
Start	6384	End	8937
GI	none	Score	.52
Exons	6384..6459, 8755..8937		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94098	Strand	+
Start	50	End	193
Name	OJ000210_06.0306.C12.o1.gs	Method	GENSCAN
Start	50	End	193
GI	none	Score	1
Exons	50..193		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o2.gs	Method	GENSCAN
Start	2157	End	4887
GI	none	Score	.9
Exons	2157..2171, 2243..2383, 2433..2573, 3310..4887		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o1.np	Method	AAT/NAP
Start	3554	End	4883
GI	4512698	Score	1057
Exons	3554..4883		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o2.ts	Method	TBLASTX:Soybean
Start	3589	End	4113
GI	none	Score	80
Exons	3589..3720, 3772..3882, 3925..4113		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12

Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o1.tw	Method	TBLASTX:Wheat
Start	3597	End	4034
GI	none	Score	347
Exons	3597..3707, 3598..3951, 3598..3939, 3940..3981, 3955..3990, 3984..4034, 3985..4032		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o1.tm	Method	TBLASTX:Maize
Start	3688	End	4191
GI	none	Score	260
Exons	3688..3732, 3742..4014, 3766..4041, 3969..4034, 4047..4184, 4057..4191		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o2.tc	Method	TBLASTX:Cress
Start	3859	End	4053
GI	none	Score	182
Exons	3859..4053, 3868..4005		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o1.tc	Method	TBLASTX:Cress
Start	4057	End	4314
GI	none	Score	144
Exons	4057..4191, 4059..4181, 4240..4314, 4242..4304		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o1.ts	Method	TBLASTX:Soybean
Start	4113	End	4704
GI	none	Score	92
Exons	4113..4163, 4240..4323, 4245..4325, 4354..4566, 4392..4553, 4579..4704		

Seq. No.	44626	Seq. ID	OJ000210_06.0306.C12
Gene No.	94099	Strand	+
Start	2157	End	4887
Name	OJ000210_06.0306.C12.o2.tm	Method	TBLASTX:Maize
Start	4354	End	4554
GI	none	Score	279
Exons	4354..4554, 4356..4553		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94100	Strand	+
Start	1102	End	3035
Name	OJ000210_06.0306.C13.o1.gs	Method	GENSCAN
Start	1102	End	3035
GI	none	Score	.86
Exons	1102..1354, 1432..2370, 2454..3035		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94101	Strand	+
Start	4587	End	5092
Name	OJ000210_06.0306.C13.o1.gp	Method	AAT/GAP
Start	4587	End	5092
GI	none	Score	782
Exons	4587..4609, 4666..5092		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94102	Strand	+
Start	11493	End	15093
Name	OJ000210_06.0306.C13.o3.gs	Method	GENSCAN
Start	11493	End	15093
GI	none	Score	.53
Exons	11493..11543, 11880..11938, 13545..13738, 13883..14226, 14328..14403, 14786..15093		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o1.tc	Method	TBLASTX:Cress
Start	1548	End	2978
GI	none	Score	255
Exons	1548..1631, 1549..1743, 1653..1715, 2064..2177, 2080..2178, 2616..2663, 2787..2978, 2810..2968		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o1.ts	Method	TBLASTX:Soybean
Start	1555	End	2978
GI	none	Score	240
Exons	1555..1743, 1557..1718, 2073..2153, 2080..2178, 2679..2978, 2810..2971		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o2.tm	Method	TBLASTX:Maize
Start	1555	End	2978
GI	none	Score	224
Exons	1555..1743, 1557..1697, 2067..2153, 2080..2178, 2801..2977, 2805..2978		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o2.gs	Method	GENSCAN
Start	3479	End	9136
GI	none	Score	.92
Exons	3479..3576, 3612..3777, 5618..5725, 6131..6274, 6355..6447, 8099..8191, 8256..8357, 8520..8678, 9116..9136		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411

Name	OJ000210_06.0306.C13.o1.np	Method	AAT/NAP
Start	5273	End	9365
GI	6692261	Score	427
Exons	5273..5353, 5618..5725, 6131..6274, 6355..6441, 8186..8371, 8515..8678, 9267..9365		
GI Descrip.	(AC010870) putative RNase H [Arabidopsis thaliana]		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o1.tm	Method	TBLASTX:Maize
Start	5618	End	8350
GI	none	Score	110
Exons	5618..5746, 5618..5725, 6097..6273, 6128..6274, 6144..6275, 6351..6434, 6352..6450, 6352..6447, 7440..7553, 7448..7555, 7465..7545, 8252..8350, 8256..8345, 8260..8346		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o2.ts	Method	TBLASTX:Soybean
Start	5618	End	6411
GI	none	Score	94
Exons	5618..5725, 6128..6268, 6150..6275, 6352..6411		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o2.gp	Method	AAT/GAP
Start	6281	End	6701
GI	2428106	Score	834
Exons	6281..6701		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94103	Strand	-
Start	3479	End	10411
Name	OJ000210_06.0306.C13.o3.gp	Method	AAT/GAP
Start	9245	End	10411
GI	none	Score	626
Exons	9245..9378, 10189..10411		

Seq. No.	44627	Seq. ID	OJ000210_06.0306.C13
Gene No.	94104	Strand	
Start	13926	End	14214
Name	OJ000210_06.0306.C13.o1.tw	Method	TBLASTX:Wheat
Start	13926	End	14214
GI	none	Score	191
Exons	13926..14210, 13927..14214		

Seq. No.	44628	Seq. ID	OJ000350_00.0328.C5
Gene No.	94105	Strand	-
Start	407	End	528
Name	OJ000350_00.0328.C5.o1.gs	Method	GENSCAN
Start	407	End	528
GI	none	Score	.78
Exons	407..528		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94106	Strand	+
Start	692	End	4784
Name	OJ000350_00.0328.C10.o1.gs	Method	GENSCAN
Start	692	End	4416
GI	none	Score	.43
Exons	692..1229, 1288..1526, 1796..1919, 2131..2225, 2286..2434, 2658..2958, 3076..4099, 4201..4277, 4351..4416		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94106	Strand	+
Start	692	End	4784
Name	OJ000350_00.0328.C10.o2.np	Method	AAT/NAP
Start	1315	End	4784
GI	1091678	Score	1522
Exons	1315..1551, 2014..3685, 3740..4114, 4658..4784		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o7.tm	Method	TBLASTX:Maize
Start	2421	End	2608
GI	none	Score	49
Exons	2421..2468, 2444..2602, 2470..2607, 2471..2608		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o3.ts	Method	TBLASTX:Soybean
Start	2474	End	2880
GI	none	Score	103
Exons	2474..2617, 2474..2536, 2631..2753, 2650..2880		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o1.tm	Method	TBLASTX:Maize
Start	2610	End	4113
GI	none	Score	273
Exons	2610..2666, 2668..2919, 2668..2841, 2927..3097, 2927..3097, 2931..3557, 2932..3672, 3400..3567, 3788..3856, 3879..4094, 3880..4113		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o1.ts	Method	TBLASTX:Soybean
Start	2929	End	3584
GI	none	Score	117
Exons	2929..3216, 3244..3582, 3426..3584		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o2.tw	Method	TBLASTX:Wheat
Start	2935	End	3225

GI	none	Score	200
Exons	2935..3216, 2953..3006, 3079..3225		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o2.ts	Method	TBLASTX:Soybean
Start	3873	End	4101
GI	none	Score	202
Exons	3873..4079, 3883..4101		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o2.gs	Method	GENSCAN
Start	6498	End	16698
GI	none	Score	.45
Exons	6498..6549, 6845..6939, 7450..7506, 8094..8284, 8951..9099, 9189..9283, 9633..10944, 11028..13708, 14253..14396, 14516..14628, 15191..15305, 15408..15487, 15575..15695, 15786..15946, 16020..16248, 16384..16530, 16619..16698		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o1.gp	Method	AAT/GAP
Start	7103	End	7294
GI	15870_2.R1084	Score	270
Exons	7103..7294		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o3.np	Method	AAT/NAP
Start	9738	End	14033
GI	7106515	Score	5450
Exons	9738..10944, 11040..11643, 11914..12249, 12331..14033		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o2.tm	Method	TBLASTX:Maize
Start	9879	End	10688
GI	none	Score	81
Exons	9879..9932, 9948..10037, 10014..10394, 10034..10135, 10193..10393, 10419..10688, 10469..10687		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o1.tw	Method	TBLASTX:Wheat
Start	10533	End	10910

GI	none	Score	271
Exons	10533..10808, 10559..10834, 10833..10910		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o4.tm	Method	TBLASTX:Maize
Start	10691	End	11086
GI	none	Score	82
Exons	10691..10819, 10691..10819, 10695..10820, 10821..10943, 10826..10942, 11027..11086		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o6.tm	Method	TBLASTX:Maize
Start	12155	End	12610
GI	none	Score	62
Exons	12155..12223, 12224..12364, 12371..12610, 12487..12609		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o3.tm	Method	TBLASTX:Maize
Start	12753	End	13215
GI	none	Score	77
Exons	12753..12950, 12755..13126, 12755..12868, 12772..13011, 12890..13039, 13144..13215, 13154..13213		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o8.tm	Method	TBLASTX:Maize
Start	13430	End	13750
GI	none	Score	170
Exons	13430..13657, 13432..13650, 13676..13750		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o4.ts	Method	TBLASTX:Soybean
Start	13676	End	13858
GI	none	Score	195
Exons	13676..13858, 13676..13822, 13678..13836		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o9.tm	Method	TBLASTX:Maize
Start	14253	End	14632
GI	none	Score	119
Exons	14253..14399, 14477..14632		

Seq. No.	44629	Seq. ID	OJ000350_00.0328.C10
Gene No.	94107	Strand	+
Start	6498	End	16698
Name	OJ000350_00.0328.C10.o5.tm	Method	TBLASTX:Maize

Start	15264	End	16263
GI	none	Score	65
Exons	15264..15323, 15768..15824, 15840..15947, 16017..16157, 16018..16143, 16144..16263, 16152..16262		

Seq. No.	44630	Seq. ID	OJ000350_00.0328.C11
Gene No.	94108	Strand	+
Start	108	End	2235
Name	OJ000350_00.0328.C11.o1.gs	Method	GENSCAN
Start	108	End	2235
GI	none	Score	.45
Exons	108..182, 963..1051, 1325..2235		

Seq. No.	44630	Seq. ID	OJ000350_00.0328.C11
Gene No.	94109	Strand	-
Start	7680	End	12545
Name	OJ000350_00.0328.C11.o3.gs	Method	GENSCAN
Start	7680	End	12500
GI	none	Score	.48
Exons	7680..8140, 8146..8548, 8612..8734, 8928..9172, 9209..9284, 9372..9455, 11621..12500		

Seq. No.	44630	Seq. ID	OJ000350_00.0328.C11
Gene No.	94109	Strand	-
Start	7680	End	12545
Name	OJ000350_00.0328.C11.o1.np	Method	AAT/NAP
Start	7704	End	8820
GI	5042438	Score	295
Exons	7704..8820		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44630	Seq. ID	OJ000350_00.0328.C11
Gene No.	94109	Strand	-
Start	7680	End	12545
Name	OJ000350_00.0328.C11.o2.np	Method	AAT/NAP
Start	11600	End	12545
GI	5042438	Score	298
Exons	11600..12545		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44631	Seq. ID	OJ000350_00.0328.C12
Gene No.	94110	Strand	+
Start	4859	End	5874
Name	OJ000350_00.0328.C12.o1.np	Method	AAT/NAP
Start	4859	End	5874
GI	5042443	Score	761
Exons	4859..5874		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44631	Seq. ID	OJ000350_00.0328.C12
Gene No.	94111	Strand	+
Start	11629	End	15894
Name	OJ000350_00.0328.C12.o3.gs	Method	GENSCAN
Start	11629	End	14408
GI	none	Score	.66
Exons	11629..11631, 11894..12116, 12201..12386, 13427..13671, 13690..13830, 14346..14408		

Seq. No.	44631	Seq. ID	OJ000350_00.0328.C12
Gene No.	94111	Strand	+
Start	11629	End	15894
Name	OJ000350_00.0328.C12.o2.np	Method	AAT/NAP
Start	12227	End	15894
GI	5042442	Score	289
Exons	12227..12386, 12429..12480, 15874..15894		
GI Descrip.	(AC007789) putative CREB-binding protein [Oryza sativa]		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94112	Strand	+
Start	59	End	231
Name	OJ000350_00.0328.C13.o1.gp	Method	AAT/GAP
Start	59	End	231
GI	10431_1.R1084	Score	303
Exons	59..231		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94113	Strand	+
Start	399	End	5227
Name	OJ000350_00.0328.C13.o1.gs	Method	GENSCAN
Start	399	End	4849
GI	none	Score	.61
Exons	399..445, 811..950, 1605..1838, 1995..2135, 2211..2467, 2562..2726, 3115..3274, 3348..3551, 3640..4374, 4458..4849		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94113	Strand	+
Start	399	End	5227
Name	OJ000350_00.0328.C13.o1.np	Method	AAT/NAP
Start	806	End	5227
GI	5852176	Score	2934
Exons	806..950, 1605..2135, 2211..2432, 3348..3551, 3640..3811, 3866..4166, 4458..4623, 4721..4745, 5104..5227		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94114	Strand	+
Start	10483	End	12514
Name	OJ000350_00.0328.C13.o3.gs	Method	GENSCAN
Start	10483	End	12514
GI	none	Score	.53
Exons	10483..10528, 10597..10720, 11810..12514		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94115	Strand	-
Start	5615	End	9132
Name	OJ000350_00.0328.C13.o2.gs	Method	GENSCAN
Start	5615	End	9132
GI	none	Score	.63
Exons	5615..6272, 7242..7375, 7381..7698, 7703..8091, 8259..8433, 8977..9132		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13

Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o1.tc	Method	TBLASTX:Cress
Start	1508	End	3839
GI	none	Score	88
Exons	1508..1621, 2207..2434, 2571..2798, 2573..2740, 2836..3282, 3642..3839		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o1.ts	Method	TBLASTX:Soybean
Start	3627	End	3839
GI	none	Score	150
Exons	3627..3752, 3630..3743, 3725..3754, 3759..3839		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o2.tm	Method	TBLASTX:Maize
Start	3642	End	3839
GI	none	Score	185
Exons	3642..3839		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o1.tw	Method	TBLASTX:Wheat
Start	3642	End	3881
GI	none	Score	221
Exons	3642..3881, 3642..3770, 3644..3778		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o1.tm	Method	TBLASTX:Maize
Start	4664	End	4840
GI	none	Score	197
Exons	4664..4840, 4670..4702, 4726..4827, 4811..4837		

Seq. No.	44632	Seq. ID	OJ000350_00.0328.C13
Gene No.	94116	Strand	-
Start	10301	End	12533
Name	OJ000350_00.0328.C13.o2.np	Method	AAT/NAP
Start	10301	End	12533
GI	5042438	Score	171
Exons	10301..10344, 11662..12533		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o2.np	Method	AAT/NAP
Start	1	End	2741
GI	5441880	Score	433
Exons	1..137, 2346..2400, 2507..2741		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o1.gs	Method	GENSCAN
Start	8	End	732
GI	none	Score	.56
Exons	8..240, 343..392, 551..732		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o1.gp	Method	AAT/GAP
Start	1279	End	1429
GI	7406_1.R1084	Score	228
Exons	1279..1429		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o1.np	Method	AAT/NAP
Start	1881	End	2353
GI	7228442	Score	760
Exons	1881..2353		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o3.np	Method	AAT/NAP
Start	1881	End	2353
GI	7228442	Score	754
Exons	1881..2353		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o2.gs	Method	GENSCAN
Start	1881	End	3020
GI	none	Score	.42
Exons	1881..2353, 2455..2502, 2507..2709, 2860..3020		

Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94117	Strand	+
Start	1	End	3020
Name	OJ000350_00.0328.C14.o4.np	Method	AAT/NAP
Start	1968	End	2353
GI	7228438	Score	626

Exons	1968..2353		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94118	Strand	+
Start	3247	End	3590
Name	OJ000350_00.0328.C14.o3.gs	Method	GENSCAN
Start	3247	End	3590
GI	none	Score	.77
Exons	3247..3249, 3432..3590		
Seq. No.	44633	Seq. ID	OJ000350_00.0328.C14
Gene No.	94119	Strand	-
Start	2845	End	3205
Name	OJ000350_00.0328.C14.o2.gp	Method	AAT/GAP
Start	2845	End	3205
GI	LIB3431-045-P1-N1-A10	Score	621
Exons	2845..3205		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94120	Strand	+
Start	1	End	450
Name	OJ000350_00.0328.C15.o1.np	Method	AAT/NAP
Start	1	End	271
GI	7228438	Score	472
Exons	1..271		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94120	Strand	+
Start	1	End	450
Name	OJ000350_00.0328.C15.o1.gs	Method	GENSCAN
Start	26	End	450
GI	none	Score	.94
Exons	26..211, 292..450		
Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94121	Strand	+
Start	2989	End	6784
Name	OJ000350_00.0328.C15.o3.gs	Method	GENSCAN
Start	2989	End	3390
GI	none	Score	.68
Exons	2989..3390		
Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94121	Strand	+
Start	2989	End	6784
Name	OJ000350_00.0328.C15.o3.np	Method	AAT/NAP
Start	3015	End	4909
GI	4680203	Score	552
Exons	3015..3031, 4289..4909		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94121	Strand	+
Start	2989	End	6784
Name	OJ000350_00.0328.C15.o3.gp	Method	AAT/GAP
Start	3803	End	4428
GI	2310235	Score	293
Exons	3803..3840, 4289..4428		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94121	Strand	+
Start	2989	End	6784
Name	OJ000350_00.0328.C15.o4.gs	Method	GENSCAN
Start	4289	End	6784
GI	none	Score	.75
Exons	4289..4748, 5854..6257, 6602..6784		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94122	Strand	-
Start	1	End	1125
Name	OJ000350_00.0328.C15.o2.np	Method	AAT/NAP
Start	1	End	1125
GI	6721543	Score	87
Exons	1..82, 996..1125		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94122	Strand	-
Start	1	End	1125
Name	OJ000350_00.0328.C15.o1.gp	Method	AAT/GAP
Start	650	End	766
GI	LIB3431-045-P1-N1-A10	Score	201
Exons	650..766		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94122	Strand	-
Start	1	End	1125
Name	OJ000350_00.0328.C15.o2.gp	Method	AAT/GAP
Start	709	End	1111
GI	7406_1.R1084	Score	657
Exons	709..1111		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94123	Strand	-
Start	1061	End	2507
Name	OJ000350_00.0328.C15.o2.gs	Method	GENSCAN
Start	1061	End	2507
GI	none	Score	.46
Exons	1061..1153, 1976..2032, 2177..2380, 2487..2507		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94124	Strand	-
Start	7592	End	7705
Name	OJ000350_00.0328.C15.o1.tw	Method	TBLASTX:Wheat
Start	4595	End	4915
GI	none	Score	97
Exons	4595..4747, 4730..4915, 4738..4911		

Seq. No.	44634	Seq. ID	OJ000350_00.0328.C15
Gene No.	94124	Strand	-
Start	7592	End	7705
Name	OJ000350_00.0328.C15.o5.gs	Method	GENSCAN
Start	7592	End	7705
GI	none	Score	.73
Exons	7592..7705		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94125	Strand	+
Start	5451	End	9255
Name	OJ000350_00.0328.C16.o2.np	Method	AAT/NAP
Start	5451	End	9255
GI	6721547	Score	81
Exons	5451..5535, 9234..9255		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94126	Strand	+
Start	13700	End	14587
Name	OJ000350_00.0328.C16.o4.gs	Method	GENSCAN
Start	13700	End	14587
GI	none	Score	.96
Exons	13700..14492, 14571..14587		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94127	Strand	-
Start	1	End	3169
Name	OJ000350_00.0328.C16.o1.np	Method	AAT/NAP
Start	1	End	3169
GI	5042438	Score	350
Exons	1..47, 714..1772, 3150..3169		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94127	Strand	-
Start	1	End	3169
Name	OJ000350_00.0328.C16.o1.gs	Method	GENSCAN
Start	714	End	2572
GI	none	Score	.74
Exons	714..1853, 2008..2091, 2330..2473, 2509..2572		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94128	Strand	-
Start	6603	End	7999
Name	OJ000350_00.0328.C16.o3.np	Method	AAT/NAP
Start	5237	End	7999
GI	5042438	Score	348
Exons	5237..5288, 6613..7999		

GI Descrip. (AC007789) hypothetical protein [Oryza sativa]

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94128	Strand	-
Start	6603	End	7999
Name	OJ000350_00.0328.C16.o2.gs	Method	GENSCAN
Start	6603	End	7715
GI	none	Score	.88
Exons	6603..7715		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94129	Strand	-
Start	9658	End	11245
Name	OJ000350_00.0328.C16.o3.gs	Method	GENSCAN
Start	9658	End	11245
GI	none	Score	.59
Exons	9658..9674, 10465..10624, 10686..10931, 11189..11245		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94130	Strand	-
Start	15432	End	18623
Name	OJ000350_00.0328.C16.o5.gs	Method	GENSCAN
Start	15432	End	18623
GI	none	Score	.65
Exons	15432..15548, 15698..15824, 15945..16091, 16630..18027, 18553..18623		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94130	Strand	-
Start	15432	End	18623
Name	OJ000350_00.0328.C16.o4.np	Method	AAT/NAP
Start	15703	End	18382
GI	5042438	Score	2766
Exons	15703..15824, 15945..16069, 16312..16354, 16630..18042, 18264..18382		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94131	Strand	-
Start	19886	End	21010
Name	OJ000350_00.0328.C16.o6.gs	Method	GENSCAN
Start	19886	End	20727
GI	none	Score	.96
Exons	19886..19911, 20367..20482, 20603..20727		

Seq. No.	44635	Seq. ID	OJ000350_00.0328.C16
Gene No.	94131	Strand	-
Start	19886	End	21010
Name	OJ000350_00.0328.C16.o5.np	Method	AAT/NAP
Start	19889	End	21010
GI	5042438	Score	399
Exons	19889..19911, 20367..20482, 20603..20727, 20971..21010		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94132	Strand	+
Start	1682	End	2984

Name	OJ000350_00.0328.C17.o2.gs	Method	GENSCAN
Start	1682	End	2947
GI	none	Score	.61
Exons	1682..1903, 2331..2436, 2451..2511, 2602..2947		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94132	Strand	+
Start	1682	End	2984
Name	OJ000350_00.0328.C17.o2.np	Method	AAT/NAP
Start	1682	End	2984
GI	5042439	Score	1088
Exons	1682..1903, 2451..2511, 2602..2984		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94133	Strand	+
Start	3666	End	6088
Name	OJ000350_00.0328.C17.o3.gs	Method	GENSCAN
Start	3666	End	6088
GI	none	Score	.62
Exons	3666..3814, 4474..4520, 4878..5169, 6070..6088		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94133	Strand	+
Start	3666	End	6088
Name	OJ000350_00.0328.C17.o3.np	Method	AAT/NAP
Start	3666	End	5248
GI	5042440	Score	921
Exons	3666..3814, 4474..4520, 4878..5248		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94134	Strand	+
Start	7581	End	7958
Name	OJ000350_00.0328.C17.o4.gs	Method	GENSCAN
Start	7581	End	7958
GI	none	Score	.83
Exons	7581..7796, 7899..7958		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94134	Strand	+
Start	7581	End	7958
Name	OJ000350_00.0328.C17.o4.np	Method	AAT/NAP
Start	7581	End	7955
GI	5042441	Score	447
Exons	7581..7796, 7899..7955		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94135	Strand	+
Start	18122	End	18442
Name	OJ000350_00.0328.C17.o2.gp	Method	AAT/GAP
Start	18122	End	18442
GI	2569_2.R1084	Score	414
Exons	18122..18442		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94136	Strand	+
Start	19395	End	20669
Name	OJ000350_00.0328.C17.o6.np	Method	AAT/NAP
Start	19395	End	20669
GI	5042443	Score	2162
Exons	19395..20669		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94137	Strand	+
Start	22671	End	23394
Name	OJ000350_00.0328.C17.o3.gp	Method	AAT/GAP
Start	22671	End	23244
GI	2798600	Score	586
Exons	22671..22839, 22933..23101, 23193..23244		
GI Descrip.	2407268/gb|AF017357|AF017357 1.0e-142 Oryza sativa low molecular early light-inducible protein mRNA, complete cds		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94137	Strand	+
Start	22671	End	23394
Name	OJ000350_00.0328.C17.o7.np	Method	AAT/NAP
Start	22696	End	23394
GI	5042444	Score	966
Exons	22696..22839, 22933..23394		
GI Descrip.	(AC007789) putative low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94138	Strand	-
Start	1	End	1342
Name	OJ000350_00.0328.C17.o1.np	Method	AAT/NAP
Start	1	End	1342
GI	5042438	Score	1130
Exons	1..563, 1107..1186, 1298..1342		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94138	Strand	-
Start	1	End	1342
Name	OJ000350_00.0328.C17.o1.gs	Method	GENSCAN
Start	92	End	1342
GI	none	Score	.78
Exons	92..563, 1107..1186, 1298..1342		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94139	Strand	-
Start	8084	End	18788
Name	OJ000350_00.0328.C17.o1.gp	Method	AAT/GAP
Start	8084	End	8735
GI	21362_1.R1084	Score	999
Exons	8084..8565, 8684..8735		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 0.0e+00 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94139	Strand	-
Start	8084	End	18788
Name	OJ000350_00.0328.C17.o5.gs	Method	GENSCAN
Start	8558	End	18788
GI	none	Score	.65
Exons	8558..8565, 8684..8823, 9648..9703, 9788..9866, 10144..10283, 10387..10672, 10752..10894, 10997..11197, 12152..12427, 12512..12787, 13053..13924, 14141..14323, 14407..14626, 14894..15002, 15311..15490, 16637..16875, 17530..17552, 17974..18095, 18125..18250, 18416..18695, 18725..18788		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94139	Strand	-
Start	8084	End	18788
Name	OJ000350_00.0328.C17.o5.np	Method	AAT/NAP
Start	8634	End	14300
GI	5042442	Score	4998
Exons	8634..8823, 9648..9703, 9788..9866, 10144..10283, 10387..10672, 10752..10894, 10997..11197, 11315..11443, 12152..12427, 12512..12787, 13053..14098, 14141..14300		
GI Descrip.	(AC007789) putative CREB-binding protein [Oryza sativa]		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o2.tm	Method	TBLASTX:Maize
Start	8860	End	10260
GI	none	Score	62
Exons	8860..8907, 8867..8905, 9359..9679, 9360..9623, 9361..9699, 9397..9699, 9766..9864, 9768..9854, 9779..9865, 9779..9865, 9789..9869, 10142..10234, 10143..10259, 10147..10260		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o4.ts	Method	TBLASTX:Soybean
Start	9407	End	10569
GI	none	Score	101
Exons	9407..9532, 9520..9609, 9527..9679, 9779..9865, 10114..10284, 10143..10286, 10456..10569		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o1.ts	Method	TBLASTX:Soybean
Start	10576	End	12289
GI	none	Score	44
Exons	10576..10614, 10577..10672, 10736..10894, 10740..10895, 10758..10895, 10994..11104, 10998..11096, 11102..11149, 11150..11200, 11306..11437, 11313..11438, 12149..12289		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o1.tm	Method	TBLASTX:Maize
Start	10799	End	12394

GI	none	Score	132
Exons	10799..10894, 10800..10895, 10800..10895, 10801..10896, 10994..11200, 10998..11198, 10999..11238, 11306..11443, 11310..11444, 11313..11444, 12147..12389, 12148..12390, 12149..12394, 12227..12394		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o2.tc	Method	TBLASTX:Cress
Start	11054	End	12439
GI	none	Score	101
Exons	11054..11200, 11055..11198, 11135..11224, 11309..11443, 11310..11444, 12149..12346, 12365..12439, 12372..12437		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o4.tm	Method	TBLASTX:Maize
Start	18545	End	18839
GI	none	Score	148
Exons	18545..18628, 18619..18780, 18636..18776, 18702..18809, 18770..18829, 18783..18839		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o2.ts	Method	TBLASTX:Soybean
Start	18559	End	18873
GI	none	Score	218
Exons	18559..18624, 18633..18833, 18643..18837, 18829..18873		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o1.tc	Method	TBLASTX:Cress
Start	18619	End	18837
GI	none	Score	188
Exons	18619..18837, 18636..18836		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o3.tc	Method	TBLASTX:Cress
Start	23061	End	23388
GI	none	Score	152
Exons	23061..23159, 23062..23178, 23244..23387, 23257..23388		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o3.ts	Method	TBLASTX:Soybean
Start	23061	End	23388
GI	none	Score	160
Exons	23061..23174, 23062..23178, 23247..23375, 23257..23388		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17

Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o3.tm	Method	TBLASTX:Maize
Start	23083	End	23397
GI	none	Score	332
Exons	23083..23178, 23088..23390, 23089..23397		

Seq. No.	44636	Seq. ID	OJ000350_00.0328.C17
Gene No.	94140	Strand	-
Start	23094	End	23500
Name	OJ000350_00.0328.C17.o4.gp	Method	AAT/GAP
Start	23094	End	23500
GI	uC-osflcyp176h04b1	Score	747
Exons	23094..23500		
GI Descrip.	'5042444/gb|AAD38281.1|AC007789_7 5.0e-32 (AC007789) putative low molecular early light-inducible protein [Oryza sativa]'		

Seq. No.	44637	Seq. ID	OJ000350_00.0328.C21
Gene No.	94141	Strand	+
Start	172	End	706
Name	OJ000350_00.0328.C21.o1.gs	Method	GENSCAN
Start	172	End	706
GI	none	Score	.52
Exons	172..328, 365..449, 621..706		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.ts	Method	TBLASTX:Soybean
Start	320	End	1583
GI	none	Score	201
Exons	320..568, 348..572, 640..768, 645..773, 645..776, 652..777, 862..930, 863..931, 1027..1113, 1028..1120, 1206..1274, 1208..1279, 1209..1280, 1217..1294, 1365..1433, 1369..1422, 1380..1427, 1535..1582, 1539..1583		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.np	Method	AAT/NAP
Start	341	End	1584
GI	3643611	Score	847
Exons	341..568, 636..774, 863..929, 1027..1121, 1209..1280, 1366..1421, 1544..1584		
GI Descrip.	(AC005395) putative casein kinase I [Arabidopsis thaliana]		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.tm	Method	TBLASTX:Maize
Start	346	End	1582
GI	none	Score	74
Exons	346..570, 347..568, 348..572, 626..760, 628..762, 644..760, 645..767, 645..776, 652..777, 862..930, 1027..1113, 1028..1120, 1028..1120, 1188..1271, 1199..1279, 1208..1279, 1356..1433, 1357..1419, 1380..1421, 1535..1582		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.gp	Method	AAT/GAP
Start	350	End	911
GI	9562_1.R1084	Score	707
Exons	350..568, 645..774, 863..911		
GI Descrip.	'6006848/gb|AAF00624.1|AC009540_1 1.0e-179 (AC009540) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.gs	Method	GENSCAN
Start	350	End	1280
GI	none	Score	.7
Exons	350..516, 1027..1121, 1209..1280		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.tw	Method	TBLASTX:Wheat
Start	350	End	675
GI	none	Score	276
Exons	350..568, 351..569, 351..569, 352..570, 484..576, 643..666, 645..674, 646..675		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o1.tc	Method	TBLASTX:Cress
Start	393	End	1106
GI	none	Score	213
Exons	393..569, 395..568, 402..569, 404..571, 643..765, 645..764, 645..782, 646..783, 765..875, 862..930, 863..931, 1022..1105, 1041..1106		

Seq. No.	44638	Seq. ID	OJ000210_05.0321.C1
Gene No.	94142	Strand	-
Start	341	End	1584
Name	OJ000210_05.0321.C1.o2.tc	Method	TBLASTX:Cress
Start	1208	End	1582
GI	none	Score	60
Exons	1208..1279, 1365..1433, 1380..1433, 1535..1582		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94143	Strand	+
Start	4539	End	5601
Name	OJ000210_05.0321.C2.o3.gs	Method	GENSCAN
Start	4539	End	5601
GI	none	Score	.81
Exons	4539..4571, 5260..5601		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94144	Strand	-
Start	947	End	1277
Name	OJ000210_05.0321.C2.o1.gp	Method	AAT/GAP

Start	947	End	1277
GI	54100_1.R1084	Score	646
Exons	947..1277		
GI Descrip.	'3643611 3.0e-24 (AC005395) putative casein kinase [Arabidopsis thaliana]'		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94144	Strand	-
Start	947	End	1277
Name	OJ000210_05.0321.C2.o1.gs	Method	GENSCAN
Start	950	End	1129
GI	none	Score	.92
Exons	950..1129		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94145	Strand	-
Start	2519	End	3145
Name	OJ000210_05.0321.C2.o2.gs	Method	GENSCAN
Start	2519	End	3145
GI	none	Score	1
Exons	2519..3145		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94146	Strand	-
Start	3902	End	3999
Name	OJ000210_05.0321.C2.o2.gp	Method	AAT/GAP
Start	3902	End	3999
GI	LIB3477-003-P1-K1-E9	Score	152
Exons	3902..3999		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44639	Seq. ID	OJ000210_05.0321.C2
Gene No.	94147	Strand	-
Start	6406	End	8397
Name	OJ000210_05.0321.C2.o4.gs	Method	GENSCAN
Start	6406	End	8397
GI	none	Score	.79
Exons	6406..6545, 7702..7873, 8160..8271, 8322..8397		

Seq. No.	44640	Seq. ID	OJ000210_05.0321.C3
Gene No.	94148	Strand	-
Start	385	End	778
Name	OJ000210_05.0321.C3.o1.gs	Method	GENSCAN
Start	385	End	778
GI	none	Score	.93
Exons	385..539, 745..778		

Seq. No.	44641	Seq. ID	OJ000210_05.0321.C5
Gene No.	94149	Strand	+
Start	4639	End	5043
Name	OJ000210_05.0321.C5.o1.gp	Method	AAT/GAP
Start	4639	End	5043
GI	none	Score	794
Exons	4639..5043		

Seq. No.	44641	Seq. ID	OJ000210_05.0321.C5
Gene No.	94150	Strand	-
Start	1	End	1468
Name	OJ000210_05.0321.C5.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	6983857	Score	1209
Exons	1..70, 102..560, 730..1290, 1353..1468		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	44641	Seq. ID	OJ000210_05.0321.C5
Gene No.	94151	Strand	-
Start	2146	End	3156
Name	OJ000210_05.0321.C5.o2.np	Method	AAT/NAP
Start	2146	End	3156
GI	4680186	Score	179
Exons	2146..2565, 3093..3156		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44641	Seq. ID	OJ000210_05.0321.C5
Gene No.	94152	Strand	-
Start	4967	End	5297
Name	OJ000210_05.0321.C5.o2.gs	Method	GENSCAN
Start	4967	End	5297
GI	none	Score	.7
Exons	4967..5297		

Seq. No.	44642	Seq. ID	OJ000210_05.0321.C6
Gene No.	94153	Strand	+
Start	64	End	745
Name	OJ000210_05.0321.C6.o1.gs	Method	GENSCAN
Start	64	End	745
GI	none	Score	.61
Exons	64..179, 521..745		

Seq. No.	44642	Seq. ID	OJ000210_05.0321.C6
Gene No.	94154	Strand	-
Start	1	End	89
Name	OJ000210_05.0321.C6.o1.gp	Method	AAT/GAP
Start	1	End	89
GI	5038610	Score	170
Exons	1..89		

Seq. No.	44643	Seq. ID	OJ000210_05.0321.C9
Gene No.	94155	Strand	+
Start	1	End	83
Name	OJ000210_05.0321.C9.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	LIB3431-010-P1-N1-F11	Score	127
Exons	1..83		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	44643	Seq. ID	OJ000210_05.0321.C9
Gene No.	94156	Strand	+
Start	831	End	933
Name	OJ000210_05.0321.C9.o2.gp	Method	AAT/GAP
Start	831	End	933

GI	LIB3477-003-P1-K1-E9	Score	167
Exons	831..933		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44644	Seq. ID	OJ000210_05.0321.C10
Gene No.	94157	Strand	+
Start	2265	End	2401
Name	OJ000210_05.0321.C10.o1.gs	Method	GENSCAN
Start	2265	End	2401
GI	none	Score	.56
Exons	2265..2401		

Seq. No.	44644	Seq. ID	OJ000210_05.0321.C10
Gene No.	94158	Strand	-
Start	1	End	105
Name	OJ000210_05.0321.C10.o1.gp	Method	AAT/GAP
Start	1	End	105
GI	LIB3477-003-P1-K1-E9	Score	153
Exons	1..105		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44645	Seq. ID	OJ000210_05.0321.C11
Gene No.	94159	Strand	
Start	3082	End	3388
Name	OJ000210_05.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	3082	End	3388
GI	none	Score	186
Exons	3082..3216, 3083..3217, 3272..3316, 3314..3388		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94160	Strand	+
Start	2195	End	2272
Name	OJ000210_05.0321.C12.o1.np	Method	AAT/NAP
Start	2195	End	2272
GI	6630699	Score	86
Exons	2195..2272		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94161	Strand	+
Start	4663	End	9709
Name	OJ000210_05.0321.C12.o2.gs	Method	GENSCAN
Start	4663	End	8552
GI	none	Score	.58
Exons	4663..5237, 5299..5324, 6664..6729, 7196..7363, 7387..7742, 7896..8552		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94161	Strand	+
Start	4663	End	9709
Name	OJ000210_05.0321.C12.o2.np	Method	AAT/NAP

Start	7401	End	9709
GI	7488397	Score	596
Exons	7401..8417, 9648..9709		
GI Descrip.	transport protein homolog YUP8H12R.2 - Arabidopsis thaliana gi|3152576|gb|AAC17057.1| (AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94162	Strand	+
Start	9673	End	11482
Name	OJ000210_05.0321.C12.o3.np	Method	AAT/NAP
Start	9673	End	11482
GI	6983864	Score	80
Exons	9673..9762, 11412..11482		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94162	Strand	+
Start	9673	End	11482
Name	OJ000210_05.0321.C12.o1.gp	Method	AAT/GAP
Start	10174	End	10835
GI	39067_1.R1084	Score	1191
Exons	10174..10835		
GI Descrip.	'2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]'		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o2.tc	Method	TBLASTX:Cress
Start	7473	End	7820
GI	none	Score	212
Exons	7473..7820		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o2.ts	Method	TBLASTX:Soybean
Start	7539	End	7973
GI	none	Score	117
Exons	7539..7814, 7821..7973, 7823..7972		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o4.np	Method	AAT/NAP
Start	10495	End	13492
GI	7489494	Score	698
Exons	10495..10911, 11397..11489, 11725..11816, 11895..11959, 12529..12599, 12720..12757, 13420..13492		
GI Descrip.	lysophospholipase homolog - rice gi|2801536|gb|AAB97366.1| (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492

Name	OJ000210_05.0321.C12.o1.ts	Method	TBLASTX:Soybean
Start	10513	End	10920
GI	none	Score	381
Exons	10513..10920, 10523..10915		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o1.tc	Method	TBLASTX:Cress
Start	10519	End	10861
GI	none	Score	206
Exons	10519..10860, 10529..10861		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o1.tm	Method	TBLASTX:Maize
Start	10525	End	10828
GI	none	Score	151
Exons	10525..10827, 10583..10828		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o2.gp	Method	AAT/GAP
Start	10740	End	11813
GI	2428226	Score	565
Exons	10740..10911, 11397..11489, 11725..11813		
GI Descrip.	2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o1.tw	Method	TBLASTX:Wheat
Start	10774	End	11516
GI	none	Score	161
Exons	10774..10920, 10775..10933, 11396..11515, 11397..11516, 11398..11511		

Seq. No.	44646	Seq. ID	OJ000210_05.0321.C12
Gene No.	94163	Strand	-
Start	10495	End	13492
Name	OJ000210_05.0321.C12.o2.tm	Method	TBLASTX:Maize
Start	11593	End	11954
GI	none	Score	39
Exons	11593..11628, 11593..11625, 11652..11711, 11660..11692, 11720..11740, 11728..11817, 11741..11818, 11742..11831, 11886..11954, 11889..11954		

Seq. No.	44647	Seq. ID	OJ000210_05.0321.C13
Gene No.	94164	Strand	+
Start	1	End	8413
Name	OJ000210_05.0321.C13.o1.np	Method	AAT/NAP
Start	1	End	8413
GI	81286	Score	243
Exons	1..46, 3960..4289, 4351..4402, 7025..7067, 7224..7462,		

	8355..8413		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	44647	Seq. ID	OJ000210_05.0321.C13
Gene No.	94165	Strand	+
Start	8512	End	8665
Name	OJ000210_05.0321.C13.o4.gs	Method	GENSCAN
Start	8512	End	8665
GI	none	Score	.88
Exons	8512..8665		
Seq. No.	44647	Seq. ID	OJ000210_05.0321.C13
Gene No.	94166	Strand	-
Start	6860	End	7474
Name	OJ000210_05.0321.C13.o3.gs	Method	GENSCAN
Start	6860	End	7474
GI	none	Score	1
Exons	6860..7474		
Seq. No.	44647	Seq. ID	OJ000210_05.0321.C13
Gene No.	94166	Strand	-
Start	6860	End	7474
Name	OJ000210_05.0321.C13.o1.tc	Method	TBLASTX:Cress
Start	6863	End	7226
GI	none	Score	64
Exons	6863..6910, 6864..6914, 6959..7036, 6984..7037, 7097..7225, 7179..7226		
Seq. No.	44648	Seq. ID	OJ000210_05.0321.C14
Gene No.	94167	Strand	-
Start	112	End	1798
Name	OJ000210_05.0321.C14.o1.gs	Method	GENSCAN
Start	112	End	1798
GI	none	Score	.88
Exons	112..904, 1759..1798		
Seq. No.	44649	Seq. ID	OJ000210_05.0321.C17
Gene No.	94168	Strand	+
Start	1192	End	2061
Name	OJ000210_05.0321.C17.o1.gs	Method	GENSCAN
Start	1192	End	2061
GI	none	Score	.82
Exons	1192..1537, 1808..2061		
Seq. No.	44649	Seq. ID	OJ000210_05.0321.C17
Gene No.	94169	Strand	-
Start	925	End	2127
Name	OJ000210_05.0321.C17.o1.np	Method	AAT/NAP
Start	925	End	2127
GI	7339707	Score	96
Exons	925..1047, 1397..1549, 1649..1715, 1792..2127		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		
Seq. No.	44649	Seq. ID	OJ000210_05.0321.C17
Gene No.	94169	Strand	-
Start	925	End	2127

Name	OJ000210_05.0321.C17.o1.gp	Method	AAT/GAP
Start	1806	End	2046
GI	3763033	Score	398
Exons	1806..2046		

Seq. No.	44650	Seq. ID	OJ000210_05.0321.C19
Gene No.	94170	Strand	-
Start	517	End	638
Name	OJ000210_05.0321.C19.o1.gs	Method	GENSCAN
Start	517	End	638
GI	none	Score	1
Exons	517..638		

Seq. No.	44651	Seq. ID	OJ000210_05.0321.C20
Gene No.	94171	Strand	-
Start	1	End	4119
Name	OJ000210_05.0321.C20.o1.np	Method	AAT/NAP
Start	1	End	2199
GI	3687225	Score	195
Exons	1..80, 547..730, 1815..1944, 2131..2199		
GI Descrip.	(AC005169) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44651	Seq. ID	OJ000210_05.0321.C20
Gene No.	94171	Strand	-
Start	1	End	4119
Name	OJ000210_05.0321.C20.o2.np	Method	AAT/NAP
Start	1	End	4119
GI	7486419	Score	62
Exons	1..34, 2176..2393, 3484..3529, 3937..4119		
GI Descrip.	hypothetical protein F4D11.90 - Arabidopsis thaliana gi|3063699|emb|CAA18590.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270175|emb|CAB79988.1| (AL161581) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44651	Seq. ID	OJ000210_05.0321.C20
Gene No.	94171	Strand	-
Start	1	End	4119
Name	OJ000210_05.0321.C20.o1.gs	Method	GENSCAN
Start	547	End	3754
GI	none	Score	.66
Exons	547..730, 1068..1151, 1815..1986, 2131..2405, 2445..2576, 2620..2792, 3478..3754		

Seq. No.	44652	Seq. ID	OJ000210_04.0323.C1
Gene No.	94172	Strand	-
Start	1	End	1308
Name	OJ000210_04.0323.C1.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	7291668	Score	92
Exons	1..79, 360..432, 974..1021, 1127..1308		
GI Descrip.	(AE003462) CG5602 gene product [Drosophila melanogaster]		

Seq. No.	44652	Seq. ID	OJ000210_04.0323.C1
Gene No.	94172	Strand	-
Start	1	End	1308
Name	OJ000210_04.0323.C1.o1.gp	Method	AAT/GAP
Start	360	End	1238

GI	70647_1.R1084	Score	426
Exons	360..409, 939..1046, 1149..1238		
GI Descrip.	'2494165/sp|Q42572|DNLI_ARATH 3.0e-17 DNA LIGASE (POLYDEOXYRIBONUCLEOTIDE SYNTHASE [ATP]) >gi_2129574_pir__S71278 DNA ligase - Arabidopsis thaliana >gi_1359495_emb_CAA66599_ (X97924) DNA ligase [Arabidopsis thaliana]'		

Seq. No.	44652	Seq. ID	OJ000210_04.0323.C1
Gene No.	94172	Strand	-
Start	1	End	1308
Name	OJ000210_04.0323.C1.o1.gs	Method	GENSCAN
Start	360	End	1308
GI	none	Score	.89
Exons	360..409, 1149..1308		

Seq. No.	44653	Seq. ID	OJ000210_04.0323.C2
Gene No.	94173	Strand	-
Start	1	End	2880
Name	OJ000210_04.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	2880
GI	6754544	Score	120
Exons	1..139, 366..468, 844..925, 1030..1147, 2847..2880		
GI Descrip.	ligase I, DNA, ATP-dependent gi|1352290|sp|P37913|DNL1_MOUSE DNA LIGASE I (POLYDEOXYRIBONUCLEOTIDE SYNTHASE [ATP]) gi|2118373|pir||I48921 DNA ligase (ATP) (EC 6.5.1.1) I - mouse gi|641912 (U19604) DNA ligase I [Mus musculus] gi|905354 (U04674) DNA ligase I [Mus musculus]		

Seq. No.	44653	Seq. ID	OJ000210_04.0323.C2
Gene No.	94173	Strand	-
Start	1	End	2880
Name	OJ000210_04.0323.C2.o1.gs	Method	GENSCAN
Start	43	End	2724
GI	none	Score	.77
Exons	43..139, 740..778, 1224..2724		

Seq. No.	44653	Seq. ID	OJ000210_04.0323.C2
Gene No.	94173	Strand	-
Start	1	End	2880
Name	OJ000210_04.0323.C2.o2.np	Method	AAT/NAP
Start	2328	End	2880
GI	7485634	Score	154
Exons	2328..2880		
GI Descrip.	hypothetical protein F17K2.23 - Arabidopsis thaliana gi|3386625|gb|AAC28555.1| (AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94174	Strand	+
Start	180	End	2086
Name	OJ000210_04.0323.C4.o1.gs	Method	GENSCAN
Start	180	End	734
GI	none	Score	.99
Exons	180..734		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94174	Strand	+

Start	180	End	2086
Name	OJ000210_04.0323.C4.o1.np	Method	AAT/NAP
Start	180	End	2086
GI	114420	Score	974
Exons	180..656, 1535..1610, 1713..1801, 1945..2086		
GI Descrip.	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR gi|100882|pir||S11491 H+-transporting ATP synthase (EC 3.6.1.34) beta chain, mitochondrial - maize gi|22173|emb|CAA38140| (X54233) ATPase F1 subunit protein [Zea mays] gi|897618 (M36087) F-1-ATPase subunit 2 [Zea mays]		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94175	Strand	-
Start	1493	End	2081
Name	OJ000210_04.0323.C4.o1.tc	Method	TBLASTX:Cress
Start	386	End	2081
GI	none	Score	106
Exons	386..487, 399..488, 485..658, 486..659, 1534..1614, 1535..1609, 1537..1611, 1715..1804, 1726..1803, 1942..2064, 1942..2073, 1953..2066, 2015..2074, 2016..2081		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94175	Strand	-
Start	1493	End	2081
Name	OJ000210_04.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	389	End	2081
GI	none	Score	446
Exons	389..658, 390..659, 393..698, 1534..1614, 1535..1630, 1714..1803, 1715..1804, 1942..2064, 1942..2073, 1944..2066, 2016..2081		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94175	Strand	-
Start	1493	End	2081
Name	OJ000210_04.0323.C4.o1.ts	Method	TBLASTX:Soybean
Start	392	End	2081
GI	none	Score	404
Exons	392..658, 393..659, 1534..1614, 1535..1612, 1715..1804, 1726..1803, 1942..2064, 1942..2073, 2016..2081		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94175	Strand	-
Start	1493	End	2081
Name	OJ000210_04.0323.C4.o1.tw	Method	TBLASTX:Wheat
Start	627	End	2016
GI	none	Score	54
Exons	627..659, 1534..1620, 1535..1630, 1705..1803, 1715..1804, 1942..2016, 1943..2014		

Seq. No.	44654	Seq. ID	OJ000210_04.0323.C4
Gene No.	94175	Strand	-
Start	1493	End	2081
Name	OJ000210_04.0323.C4.o2.gs	Method	GENSCAN
Start	1493	End	2061
GI	none	Score	.69
Exons	1493..1586, 1698..1766, 1910..2061		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94176	Strand	+
Start	641	End	1107
Name	OJ000210_04.0323.C5.o1.np	Method	AAT/NAP
Start	641	End	777
GI	231587	Score	156
Exons	641..777		
GI Descrip.	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR gi|283001|pir||S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice gi|218147|dbj|BAA01372.1| (D10491) mitochondrial F1-ATPase [Oryza sativa]		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94176	Strand	+
Start	641	End	1107
Name	OJ000210_04.0323.C5.o1.gp	Method	AAT/GAP
Start	664	End	1107
GI	7710_1.R1084	Score	824
Exons	664..1107		
GI Descrip.	'231587/sp|Q01859|ATP2_ORYSA 0.0e+00 ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR >gi_283001_pir__S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice >gi_218147_dbj_BAA01372_ (D10491) mitochondrial F1-ATPase [Oryza sativa]'		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94176	Strand	+
Start	641	End	1107
Name	OJ000210_04.0323.C5.o1.gs	Method	GENSCAN
Start	667	End	780
GI	none	Score	.76
Exons	667..780		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94177	Strand	+
Start	2354	End	9167
Name	OJ000210_04.0323.C5.o2.gs	Method	GENSCAN
Start	2354	End	9167
GI	none	Score	.58
Exons	2354..2425, 2531..2737, 3341..3589, 3720..3929, 4260..4419, 4513..4664, 4755..4842, 4960..5036, 5120..5194, 5284..5518, 5609..5919, 7933..8250, 8565..9167		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94177	Strand	+
Start	2354	End	9167
Name	OJ000210_04.0323.C5.o2.np	Method	AAT/NAP
Start	2546	End	5976
GI	7329694	Score	996
Exons	2546..2728, 3341..3589, 3720..3929, 4007..4162, 4260..4419, 4513..4664, 4755..4842, 4960..5036, 5120..5194, 5284..5518, 5618..5976		
GI Descrip.	(AL162295) putative protein [Arabidopsis thaliana]		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94177	Strand	+

Start	2354	End	9167
Name	OJ000210_04.0323.C5.o2.gp	Method	AAT/GAP
Start	5369	End	5860
GI	LIB3434-046-P1-K1-H12	Score	748
Exons	5369..5518, 5609..5860		
GI Descrip.	'435946 8.0e-68 (U04297) DNA-binding factor of bZIP class [Oryza sativa]'		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o4.tm	Method	TBLASTX:Maize
Start	664	End	979
GI	none	Score	129
Exons	664..738, 664..726, 666..779, 845..895, 848..895, 849..896,	666..779, 779..826, 795..827, 890..979, 891..971	

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	2513	End	2740
GI	none	Score	243
Exons	2513..2740, 2528..2737		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	3382	End	3920
GI	none	Score	288
Exons	3382..3588, 3386..3589, 3392..3625, 3706..3918, 3717..3920, 3717..3920		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	3515	End	4667
GI	none	Score	83
Exons	3515..3589, 3717..3857, 4004..4156, 4277..4393, 4293..4427, 4491..4667, 4511..4618, 4560..4667		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	4293	End	4850
GI	none	Score	100
Exons	4293..4421, 4494..4664, 4511..4618, 4569..4661, 4754..4849, 4755..4850		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	4332	End	5196

GI	none	Score	96
Exons	4332..4412, 4347..4400, 4365..4439, 4368..4412, 4505..4576, 4509..4577, 4509..4664, 4533..4664, 4585..4665, 4754..4798, 4755..4805, 4780..4836, 4781..4837, 4781..4849, 4803..4850, 4957..5016, 4957..5016, 4958..5020, 4959..5018, 5016..5054, 5119..5196, 5124..5195, 5125..5196		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	5283	End	5672
GI	none	Score	235
Exons	5283..5522, 5334..5522, 5610..5660, 5610..5672, 5611..5670		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o5.tm	Method	TBLASTX:Maize
Start	5673	End	5889
GI	none	Score	217
Exons	5673..5888, 5674..5889		

Seq. No.	44655	Seq. ID	OJ000210_04.0323.C5
Gene No.	94178	Strand	-
Start	10768	End	11077
Name	OJ000210_04.0323.C5.o3.gs	Method	GENSCAN
Start	10768	End	11077
GI	none	Score	.66
Exons	10768..10839, 10988..11077		

Seq. No.	44656	Seq. ID	OJ000210_04.0323.C6
Gene No.	94179	Strand	+
Start	293	End	1796
Name	OJ000210_04.0323.C6.o1.gs	Method	GENSCAN
Start	293	End	1796
GI	none	Score	.56
Exons	293..356, 388..515, 1598..1796		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94180	Strand	+
Start	194	End	1597
Name	OJ000210_04.0323.C10.o1.gs	Method	GENSCAN
Start	194	End	1597
GI	none	Score	.55
Exons	194..389, 1458..1597		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o2.np	Method	AAT/NAP
Start	1488	End	5298
GI	7303287	Score	1407
Exons	1488..1520, 2961..5120, 5248..5298		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10

Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o2.gs	Method	GENSCAN
Start	2845	End	5171
GI	none	Score	.58
Exons	2845..3268, 3349..3563, 3590..4032, 4079..5171		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	2959	End	3497
GI	none	Score	73
Exons	2959..3042, 2960..3037, 3052..3087, 3175..3306, 3330..3497		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	3175	End	3452
GI	none	Score	88
Exons	3175..3306, 3330..3452		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	3447	End	3829
GI	none	Score	85
Exons	3447..3581, 3451..3579, 3581..3733, 3657..3707, 3758..3829		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	3638	End	4163
GI	none	Score	46
Exons	3638..3688, 3674..3733, 3675..3707, 3758..3961, 3777..3962, 3813..3869, 3962..4099, 3973..4119, 3988..4158, 4104..4163		

Seq. No.	44657	Seq. ID	OJ000210_04.0323.C10
Gene No.	94181	Strand	-
Start	1488	End	5298
Name	OJ000210_04.0323.C10.o2.tc	Method	TBLASTX:Cress
Start	3973	End	4119
GI	none	Score	94
Exons	3973..4119, 3974..4099		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94182	Strand	+
Start	9200	End	15417
Name	OJ000210_04.0323.C14.o3.np	Method	AAT/NAP
Start	9200	End	15417
GI	6063557	Score	187
Exons	9200..9241, 12410..12527, 12777..12977, 15286..15417		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94183	Strand	-
Start	1	End	2781
Name	OJ000210_04.0323.C14.o1.np	Method	AAT/NAP
Start	1	End	2781
GI	4760710	Score	387
Exons	1..23, 359..562, 1185..1317, 2502..2643, 2707..2781		
GI Descrip.	(AB012867) SLL2-S9-protein [Brassica rapa]		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94183	Strand	-
Start	1	End	2781
Name	OJ000210_04.0323.C14.o1.gs	Method	GENSCAN
Start	349	End	2781
GI	none	Score	.56
Exons	349..506, 1185..1313, 2124..2251, 2483..2781		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94184	Strand	-
Start	5701	End	11663
Name	OJ000210_04.0323.C14.o2.np	Method	AAT/NAP
Start	5701	End	11663
GI	7380882	Score	721
Exons	5701..6029, 10491..11663		
GI Descrip.	(AB033758) limonoid UDP-glucosyltransferase [Citrus unshiu]		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o3.tm	Method	TBLASTX:Maize
Start	367	End	1220
GI	none	Score	114
Exons	367..519, 369..491, 371..505, 510..563, 511..561, 518..562, 1182..1220, 1184..1219		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o2.tw	Method	TBLASTX:Wheat
Start	2554	End	11332
GI	none	Score	113
Exons	2554..2646, 2576..2647, 2711..2782, 2746..2781, 11041..11121, 11207..11224, 11234..11332		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	5844	End	11269
GI	none	Score	85
Exons	5844..5909, 6024..6221, 6069..6209, 6070..6222, 6252..6419, 6274..6408, 6486..6575, 10519..10683, 10524..10685, 10743..10895, 10753..10812, 10914..11102, 11210..11269		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417

Name	OJ000210_04.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	5881	End	11414
GI	none	Score	36
Exons	5881..6000, 6021..6215, 6057..6215, 6073..6222, 6273..6410, 6480..6557, 6771..6968, 10358..10462, 10454..10492, 10518..10685, 10519..10686, 10737..11018, 11214..11414		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	5967	End	10808
GI	none	Score	155
Exons	5967..6221, 6070..6222, 6249..6338, 6333..6419, 10466..10492, 10530..10658, 10530..10685, 10531..10659, 10731..10808		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o1.tw	Method	TBLASTX:Wheat
Start	6030	End	10880
GI	none	Score	107
Exons	6030..6209, 6030..6236, 6070..6237, 6262..6405, 6270..6410, 10513..10686, 10530..10754, 10746..10880, 10750..10869		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o2.tm	Method	TBLASTX:Maize
Start	6765	End	11642
GI	none	Score	109
Exons	6765..6941, 6765..6974, 11208..11396, 11214..11396, 11215..11451, 11454..11546, 11535..11642, 11548..11613, 11598..11642		

Seq. No.	44658	Seq. ID	OJ000210_04.0323.C14
Gene No.	94185	Strand	-
Start	14956	End	15417
Name	OJ000210_04.0323.C14.o2.gp	Method	AAT/GAP
Start	14956	End	15417
GI	none	Score	872
Exons	14956..15417		

Seq. No.	44659	Seq. ID	OJ000350_09.0323.C1
Gene No.	94186	Strand	+
Start	306	End	852
Name	OJ000350_09.0323.C1.o1.gs	Method	GENSCAN
Start	306	End	852
GI	none	Score	.53
Exons	306..368, 543..702, 752..852		

Seq. No.	44660	Seq. ID	OJ000350_09.0323.C3
Gene No.	94187	Strand	-
Start	1917	End	2072
Name	OJ000350_09.0323.C3.o1.gs	Method	GENSCAN
Start	1917	End	2072
GI	none	Score	.49

Exons	1917..2072		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94188	Strand	+
Start	645	End	732
Name	OJ000350_09.0323.C4.o1.gs	Method	GENSCAN
Start	645	End	732
GI	none	Score	.56
Exons	645..732		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94189	Strand	+
Start	1963	End	2142
Name	OJ000350_09.0323.C4.o2.gs	Method	GENSCAN
Start	1963	End	2142
GI	none	Score	.89
Exons	1963..2008, 2126..2142		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94190	Strand	+
Start	5282	End	5458
Name	OJ000350_09.0323.C4.o3.gs	Method	GENSCAN
Start	5282	End	5458
GI	none	Score	.57
Exons	5282..5458		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94191	Strand	-
Start	6280	End	6651
Name	OJ000350_09.0323.C4.o4.gs	Method	GENSCAN
Start	6280	End	6651
GI	none	Score	.64
Exons	6280..6651		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94192	Strand	-
Start	7199	End	7725
Name	OJ000350_09.0323.C4.o5.gs	Method	GENSCAN
Start	7199	End	7725
GI	none	Score	.88
Exons	7199..7343, 7421..7725		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94193	Strand	-
Start	9611	End	10672
Name	OJ000350_09.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	6342	End	6612
GI	none	Score	151
Exons	6342..6461, 6344..6466, 6346..6483, 6350..6475, 6491..6526, 6571..6612		
Seq. No.	44661	Seq. ID	OJ000350_09.0323.C4
Gene No.	94193	Strand	-
Start	9611	End	10672
Name	OJ000350_09.0323.C4.o6.gs	Method	GENSCAN
Start	9611	End	10672
GI	none	Score	.72

Exons	9611..9676, 10630..10672		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94194	Strand	+
Start	2217	End	10351
Name	OJ000350_09.0323.C5.o1.np	Method	AAT/NAP
Start	2217	End	4574
GI	6635236	Score	197
Exons	2217..2270, 3968..4574		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94194	Strand	+
Start	2217	End	10351
Name	OJ000350_09.0323.C5.o3.np	Method	AAT/NAP
Start	3973	End	8237
GI	7486284	Score	327
Exons	3973..4097, 6557..6682, 6784..6892, 7663..7748, 7997..8237		
GI Descrip.	hypothetical protein F28A23.170 - Arabidopsis thaliana gi|2911055|emb|CAA17565.1| (AL021961) putative protein [Arabidopsis thaliana] gi|7270356|emb|CAB80124.1| (AL161584) putative protein [Arabidopsis thaliana]		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94194	Strand	+
Start	2217	End	10351
Name	OJ000350_09.0323.C5.o4.np	Method	AAT/NAP
Start	8017	End	10351
GI	7297242	Score	158
Exons	8017..8110, 9472..9643, 9847..10027, 10122..10351		
GI Descrip.	(AE003617) CG5149 gene product [Drosophila melanogaster]		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94195	Strand	-
Start	4874	End	4963
Name	OJ000350_09.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	4109	End	4550
GI	none	Score	65
Exons	4109..4264, 4112..4264, 4112..4264, 4112..4258, 4169..4264, 4266..4496, 4266..4550, 4272..4550, 4272..4496, 4272..4550, 4317..4427		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94195	Strand	-
Start	4874	End	4963
Name	OJ000350_09.0323.C5.o2.np	Method	AAT/NAP
Start	4874	End	4963
GI	1352605	Score	118
Exons	4874..4963		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT (COMPLEX I-18KD) (CI-18KD)		
Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94196	Strand	
Start	4868	End	5069
Name	OJ000350_09.0323.C5.o3.tm	Method	TBLASTX:Maize

Start	4868	End	5069
GI	none	Score	161
Exons	4868..4996, 4881..4994, 4988..5068, 4989..5069		

Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94197	Strand	
Start	6814	End	8238
Name	OJ000350_09.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	6814	End	8238
GI	none	Score	95
Exons	6814..6876, 6814..6879, 7663..7749, 7664..7744, 7989..8237, 7994..8236, 7995..8237, 7996..8238		

Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94197	Strand	
Start	6814	End	8238
Name	OJ000350_09.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	7983	End	8204
GI	none	Score	289
Exons	7983..8204, 7994..8203, 7995..8204		

Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94198	Strand	
Start	9845	End	10351
Name	OJ000350_09.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	9845	End	10351
GI	none	Score	293
Exons	9845..10027, 9847..10026, 10115..10138, 10116..10349, 10116..10349, 10193..10351		

Seq. No.	44662	Seq. ID	OJ000350_09.0323.C5
Gene No.	94198	Strand	
Start	9845	End	10351
Name	OJ000350_09.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	9916	End	10339
GI	none	Score	171
Exons	9916..10026, 9917..10027, 10116..10328, 10125..10331, 10196..10339		

Seq. No.	44663	Seq. ID	OJ000350_09.0323.C6
Gene No.	94199	Strand	+
Start	4530	End	7251
Name	OJ000350_09.0323.C6.o1.np	Method	AAT/NAP
Start	4530	End	7251
GI	6721516	Score	327
Exons	4530..4719, 6563..6801, 7218..7251		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	44663	Seq. ID	OJ000350_09.0323.C6
Gene No.	94200	Strand	-
Start	6774	End	6891
Name	OJ000350_09.0323.C6.o2.gs	Method	GENSCAN
Start	6774	End	6891
GI	none	Score	.95
Exons	6774..6891		

Seq. No.	44664	Seq. ID	OJ000350_09.0323.C7

Gene No.	94201	Strand	+
Start	75	End	757
Name	OJ000350_09.0323.C7.o1.gs	Method	GENSCAN
Start	75	End	757
GI	none	Score	.44
Exons	75..176, 635..757		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94202	Strand	+
Start	465	End	1889
Name	OJ000350_09.0323.C8.o1.gs	Method	GENSCAN
Start	465	End	1889
GI	none	Score	.7
Exons	465..517, 1073..1174, 1836..1889		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o2.gs	Method	GENSCAN
Start	2557	End	3175
GI	none	Score	.9
Exons	2557..3175		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o1.np	Method	AAT/NAP
Start	2599	End	3068
GI	4678220	Score	404
Exons	2599..3068		
GI Descrip.	(AC007135) putative RAV2-like DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o1.tc	Method	TBLASTX:Cress
Start	2652	End	2937
GI	none	Score	357
Exons	2652..2744, 2662..2937, 2802..2915		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o1.ts	Method	TBLASTX:Soybean
Start	2652	End	2937
GI	none	Score	134
Exons	2652..2744, 2662..2754, 2743..2937, 2802..2915		

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o1.gp	Method	AAT/GAP
Start	2665	End	2869
GI	427942	Score	378
Exons	2665..2869		
GI Descrip.	4510361/gb|AAD21449.1| 9.0e-19 (AC007017) putative DNA-binding		

protein RAV2 [Arabidopsis thaliana]
>gi_4678220_gb_AAD26965.1_AC007135_1 (AC007135) putative DNA binding protein RAV2 [Arabidopsis thaliana]

Seq. No.	44665	Seq. ID	OJ000350_09.0323.C8
Gene No.	94203	Strand	+
Start	2557	End	3175
Name	OJ000350_09.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	2725	End	2937
GI	none	Score	77
Exons	2725..2799, 2805..2891, 2806..2937, 2808..2915		

Seq. No.	44666	Seq. ID	OJ000350_09.0323.C9
Gene No.	94204	Strand	+
Start	1938	End	2333
Name	OJ000350_09.0323.C9.o1.gs	Method	GENSCAN
Start	1938	End	2333
GI	none	Score	.8
Exons	1938..2088, 2155..2333		

Seq. No.	44667	Seq. ID	OJ000350_09.0323.C11
Gene No.	94205	Strand	+
Start	9858	End	11626
Name	OJ000350_09.0323.C11.o3.gs	Method	GENSCAN
Start	9858	End	10355
GI	none	Score	1
Exons	9858..10355		

Seq. No.	44667	Seq. ID	OJ000350_09.0323.C11
Gene No.	94205	Strand	+
Start	9858	End	11626
Name	OJ000350_09.0323.C11.o2.np	Method	AAT/NAP
Start	9918	End	11626
GI	7487830	Score	105
Exons	9918..10349, 11580..11626		
GI Descrip.	hypothetical protein T8O5.180 - Arabidopsis thaliana gi|2894575|emb|CAA17164.1| (AL021890) putative protein [Arabidopsis thaliana]		

Seq. No.	44667	Seq. ID	OJ000350_09.0323.C11
Gene No.	94206	Strand	-
Start	673	End	3485
Name	OJ000350_09.0323.C11.o1.gs	Method	GENSCAN
Start	673	End	3485
GI	none	Score	.44
Exons	673..748, 926..1040, 1210..1326, 2299..3046, 3262..3485		

Seq. No.	44667	Seq. ID	OJ000350_09.0323.C11
Gene No.	94207	Strand	-
Start	4673	End	8182
Name	OJ000350_09.0323.C11.o2.gs	Method	GENSCAN
Start	4673	End	8182
GI	none	Score	.56
Exons	4673..5032, 5522..6584, 7085..7442, 7539..7950, 8123..8182		

Seq. No.	44667	Seq. ID	OJ000350_09.0323.C11
Gene No.	94207	Strand	-

Start	4673	End	8182
Name	OJ000350_09.0323.C11.o1.np	Method	AAT/NAP
Start	6295	End	7932
GI	1351865	Score	90
Exons	6295..6415, 6456..6539, 7740..7932		
GI Descrip.	ACROSIN PRECURSOR gi|1085468|pir||S47538 acrosin (EC 3.4.21.10) precursor - rabbit gi|451842 (U05204) preproacrosin [Oryctolagus cuniculus] gi|1090525|prf||2019255A prepro-acrosin [Oryctolagus cuniculus]		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94208	Strand	+
Start	1707	End	5488
Name	OJ000350_09.0323.C12.o1.gs	Method	GENSCAN
Start	1707	End	4833
GI	none	Score	.47
Exons	1707..1837, 2853..3042, 3292..3394, 3952..4833		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94208	Strand	+
Start	1707	End	5488
Name	OJ000350_09.0323.C12.o1.np	Method	AAT/NAP
Start	3953	End	5488
GI	4996349	Score	417
Exons	3953..4372, 4427..4597, 5381..5488		
GI Descrip.	(AB021178) NAC-domain protein [Nicotiana tabacum]		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94209	Strand	-
Start	6684	End	8365
Name	OJ000350_09.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	3943	End	4507
GI	none	Score	320
Exons	3943..4080, 3965..4240, 4114..4251, 4286..4366, 4288..4362, 4451..4507		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94209	Strand	-
Start	6684	End	8365
Name	OJ000350_09.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	3967	End	4509
GI	none	Score	106
Exons	3967..4041, 3968..4042, 4039..4263, 4052..4264, 4256..4369, 4279..4368, 4442..4507, 4480..4509		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94209	Strand	-
Start	6684	End	8365
Name	OJ000350_09.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	3968	End	4366
GI	none	Score	89
Exons	3968..4048, 4145..4258, 4147..4236, 4282..4365, 4283..4366		

Seq. No.	44668	Seq. ID	OJ000350_09.0323.C12
Gene No.	94209	Strand	-
Start	6684	End	8365
Name	OJ000350_09.0323.C12.o2.gs	Method	GENSCAN

Start	6684	End	8365
GI	none	Score	.6
Exons	6684..6785, 6919..6955, 8179..8365		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o3.np	Method	AAT/NAP
Start	1711	End	7543
GI	4582447	Score	1654
Exons	1711..1759, 3256..6704, 6747..7245, 7464..7543		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o2.np	Method	AAT/NAP
Start	3173	End	8315
GI	2583130	Score	1755
Exons	3173..6781, 6840..7168, 8253..8315		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o5.tw	Method	TBLASTX:Wheat
Start	3346	End	3664
GI	none	Score	80
Exons	3346..3375, 3347..3469, 3457..3624, 3458..3664		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o2.tm	Method	TBLASTX:Maize
Start	4718	End	5356
GI	none	Score	97
Exons	4718..4882, 4864..5046, 4865..5182, 5077..5133, 5210..5356		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	4763	End	5143
GI	none	Score	253
Exons	4763..4981, 4765..4977, 4898..4984, 4948..5067, 4962..5126, 4969..5142, 4976..5143		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o2.ts	Method	TBLASTX:Soybean
Start	4907	End	5194
GI	none	Score	186
Exons	4907..5194		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o2.tw	Method	TBLASTX:Wheat
Start	5314	End	5698
GI	none	Score	367
Exons	5314..5697, 5315..5698		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	5435	End	5854
GI	none	Score	127
Exons	5435..5635, 5639..5854		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	5510	End	5860
GI	none	Score	301
Exons	5510..5860, 5545..5859		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o4.tw	Method	TBLASTX:Wheat
Start	5699	End	5920
GI	none	Score	240
Exons	5699..5920, 5699..5896, 5704..5919		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o3.tw	Method	TBLASTX:Wheat
Start	6311	End	6718
GI	none	Score	173
Exons	6311..6514, 6325..6696, 6560..6718		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o1.gp	Method	AAT/GAP
Start	8042	End	9450
GI	435945	Score	2055
Exons	8042..8429, 8558..8635, 8746..8811, 8906..9450		
GI Descrip.	435946 8.0e-68 (U04297) DNA-binding factor of bZIP class [Oryza sativa]		

Seq. No.	44669	Seq. ID	OJ000350_09.0323.C13
Gene No.	94210	Strand	+
Start	1711	End	9450
Name	OJ000350_09.0323.C13.o5.np	Method	AAT/NAP
Start	8088	End	9001
GI	7489477	Score	833
Exons	8088..8429, 8558..8635, 8746..8811, 8906..9001		

GI Descrip. G-box binding factor 2B - rice gi|435946|gb|AAC49558.1| (U04297) DNA-binding factor of bZIP class [Oryza sativa]

Seq. No.	44670	Seq. ID	OJ000350_09.0323.C14
Gene No.	94211	Strand	+
Start	303	End	1005
Name	OJ000350_09.0323.C14.o1.gs	Method	GENSCAN
Start	303	End	1005
GI	none	Score	.57
Exons	303..477, 860..1005		

Seq. No.	44671	Seq. ID	OJ000350_09.0323.C20
Gene No.	94212	Strand	+
Start	40	End	582
Name	OJ000350_09.0323.C20.o1.gs	Method	GENSCAN
Start	40	End	582
GI	none	Score	.71
Exons	40..137, 474..582		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94213	Strand	+
Start	1	End	2942
Name	OJ000350_09.0323.C21.o1.gp	Method	AAT/GAP
Start	1	End	1772
GI	28300_1.R1084	Score	885
Exons	1..88, 213..253, 369..418, 1030..1174, 1504..1560, 1654..1772		
GI Descrip.	'3169719 1.0e-55 (AF007109) similar to yeast dcp1 [Arabidopsis thaliana]'		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94213	Strand	+
Start	1	End	2942
Name	OJ000350_09.0323.C21.o1.np	Method	AAT/NAP
Start	1	End	2600
GI	3169719	Score	621
Exons	1..88, 213..253, 369..418, 1030..1174, 1504..1560, 1654..1755, 1957..2465, 2547..2600		
GI Descrip.	(AF007109) similar to yeast dcp1 [Arabidopsis thaliana]		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94213	Strand	+
Start	1	End	2942
Name	OJ000350_09.0323.C21.o1.gs	Method	GENSCAN
Start	213	End	2770
GI	none	Score	.89
Exons	213..258, 369..418, 1030..1174, 1654..1777, 2004..2465, 2678..2770		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94213	Strand	+
Start	1	End	2942
Name	OJ000350_09.0323.C21.o2.gp	Method	AAT/GAP
Start	2026	End	2580
GI	none	Score	748
Exons	2026..2465, 2547..2580		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21

Gene No.	94213	Strand	+
Start	1	End	2942
Name	OJ000350_09.0323.C21.o3.gp	Method	AAT/GAP
Start	2517	End	2942
GI	3760451	Score	724
Exons	2517..2942		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94214	Strand	+
Start	5512	End	5592
Name	OJ000350_09.0323.C21.o3.np	Method	AAT/NAP
Start	5512	End	5592
GI	5852084	Score	69
Exons	5512..5592		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94215	Strand	+
Start	9817	End	10682
Name	OJ000350_09.0323.C21.o3.gs	Method	GENSCAN
Start	9817	End	10682
GI	none	Score	.75
Exons	9817..9899, 10559..10682		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-
Start	3712	End	4701
Name	OJ000350_09.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	2	End	2591
GI	none	Score	126
Exons	2..88, 4..87, 212..253, 213..254, 340..417, 1026..1175, 1026..1169, 1651..1719, 1652..1726, 2280..2339, 2415..2465, 2544..2591		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-
Start	3712	End	4701
Name	OJ000350_09.0323.C21.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1203
GI	none	Score	124
Exons	2..88, 4..87, 213..254, 339..440, 340..417, 1026..1175, 1030..1167, 1032..1175, 1033..1203		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-
Start	3712	End	4701
Name	OJ000350_09.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	2	End	2628
GI	none	Score	149
Exons	2..88, 4..87, 211..243, 212..253, 213..254, 340..417, 349..414, 366..440, 1026..1175, 1029..1175, 1030..1176, 1458..1559, 1460..1558, 1501..1560, 1638..1706, 1651..1776, 1652..1777, 1983..2219, 1997..2338, 2004..2216, 2096..2338, 2321..2464, 2335..2475, 2395..2463, 2529..2606, 2545..2628, 2546..2605		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-

Start	3712	End	4701
Name	OJ000350_09.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	1029	End	1729
GI	none	Score	241
Exons	1029..1175, 1029..1175, 1030..1176, 1481..1558, 1501..1560, 1503..1559, 1651..1728, 1652..1729		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-
Start	3712	End	4701
Name	OJ000350_09.0323.C21.o2.np	Method	AAT/NAP
Start	3706	End	4671
GI	4678221	Score	344
Exons	3706..4418, 4461..4671		
GI Descrip.	(AC007135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44672	Seq. ID	OJ000350_09.0323.C21
Gene No.	94216	Strand	-
Start	3712	End	4701
Name	OJ000350_09.0323.C21.o2.gs	Method	GENSCAN
Start	3712	End	4701
GI	none	Score	.51
Exons	3712..4701		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94217	Strand	+
Start	14439	End	16283
Name	OJ000350_09.0323.C22.o2.gs	Method	GENSCAN
Start	14439	End	16283
GI	none	Score	.75
Exons	14439..14486, 14637..14785, 14945..15149, 16206..16283		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94218	Strand	-
Start	1	End	9279
Name	OJ000350_09.0323.C22.o1.np	Method	AAT/NAP
Start	1	End	7402
GI	7228438	Score	3256
Exons	1..65, 533..953, 2301..2451, 2544..2805, 2890..3188, 3269..3682, 3768..3863, 5421..7402		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94218	Strand	-
Start	1	End	9279
Name	OJ000350_09.0323.C22.o1.gs	Method	GENSCAN
Start	420	End	9279
GI	none	Score	.43
Exons	420..446, 532..852, 932..1176, 1277..1494, 1536..1927, 2196..2297, 2344..2451, 2544..2772, 2890..3188, 3269..3387, 3421..3682, 3787..3956, 3980..4134, 4210..4363, 4527..4653, 4956..6348, 6502..7154, 7286..7491, 7618..7660, 7750..7823, 9156..9279		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22

Gene No.	94218	Strand	-
Start	1	End	9279
Name	OJ000350_09.0323.C22.o1.gp	Method	AAT/GAP
Start	1865	End	4095
GI	LIB3433-020-P1-K1-A6	Score	778
Exons	1865..2251, 4053..4095		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o2.tw	Method	TBLASTX:Wheat
Start	3861	End	4043
GI	none	Score	104
Exons	3861..3980, 3862..3981, 3979..4029, 3990..4043		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o1.tw	Method	TBLASTX:Wheat
Start	5784	End	6159
GI	none	Score	66
Exons	5784..5957, 5795..5935, 5890..5958, 5982..6158, 6007..6159		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	5859	End	6455
GI	none	Score	214
Exons	5859..5930, 5977..6417, 5988..6455		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o2.np	Method	AAT/NAP
Start	16342	End	20114
GI	4836944	Score	269
Exons	16342..16403, 16673..16740, 17055..17138, 17236..17424, 17526..17670, 20085..20114		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o3.gs	Method	GENSCAN
Start	17052	End	17603
GI	none	Score	.93
Exons	17052..17138, 17236..17424, 17526..17603		

Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o2.tm	Method	TBLASTX:Maize
Start	17077	End	17669
GI	none	Score	63

Exons	17077..17139, 17088..17138, 17236..17427, 17237..17425, 17526..17594, 17526..17648, 17530..17649, 17622..17669, 17626..17661		
Seq. No.	44673	Seq. ID	OJ000350_09.0323.C22
Gene No.	94219	Strand	-
Start	16342	End	20114
Name	OJ000350_09.0323.C22.o1.ts	Method	TBLASTX:Soybean
Start	17088	End	17669
GI	none	Score	86
Exons	17088..17138, 17236..17427, 17526..17669, 17530..17649		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94220	Strand	+
Start	1640	End	8089
Name	OJ000350_09.0323.C23.o1.np	Method	AAT/NAP
Start	1421	End	8089
GI	7413539	Score	1866
Exons	1421..1823, 3063..3281, 4490..4845, 5519..5750, 7527..8089		
GI Descrip.	(AL162972) amino acid transport-like protein [Arabidopsis thaliana]		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94220	Strand	+
Start	1640	End	8089
Name	OJ000350_09.0323.C23.o1.gs	Method	GENSCAN
Start	1640	End	6317
GI	none	Score	.72
Exons	1640..1823, 3063..3285, 4494..4845, 5519..5750, 6292..6317		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94221	Strand	-
Start	3685	End	3768
Name	OJ000350_09.0323.C23.o1.gp	Method	AAT/GAP
Start	3685	End	3768
GI	5455354	Score	108
Exons	3685..3768		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o1.ts	Method	TBLASTX:Soybean
Start	1472	End	1830
GI	none	Score	277
Exons	1472..1828, 1543..1830		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o3.tm	Method	TBLASTX:Maize
Start	1475	End	1843
GI	none	Score	213
Exons	1475..1843, 1666..1827		
Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23

Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o1.tc	Method	TBLASTX:Cress
Start	1481	End	1842
GI	none	Score	217
Exons	1481..1828, 1663..1842		

Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o2.tm	Method	TBLASTX:Maize
Start	3058	End	3232
GI	none	Score	254
Exons	3058..3231, 3059..3232		

Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o1.tm	Method	TBLASTX:Maize
Start	5527	End	5752
GI	none	Score	109
Exons	5527..5604, 5528..5605, 5606..5752, 5608..5751		

Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o2.gs	Method	GENSCAN
Start	7427	End	9343
GI	none	Score	.95
Exons	7427..8079, 9265..9343		

Seq. No.	44674	Seq. ID	OJ000350_09.0323.C23
Gene No.	94222	Strand	-
Start	7427	End	9343
Name	OJ000350_09.0323.C23.o2.ts	Method	TBLASTX:Soybean
Start	7855	End	8017
GI	none	Score	197
Exons	7855..7974, 7856..8017		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94223	Strand	+
Start	574	End	1882
Name	OJ000350_09.0323.C24.o1.np	Method	AAT/NAP
Start	574	End	1882
GI	129860	Score	195
Exons	574..685, 1078..1197, 1641..1882		
GI Descrip.	CYTOCHROME B6-F COMPLEX SUBUNIT 4 (17 KD POLYPEPTIDE) gi|81300|pir||S05340 plastoquinol--plastocyanin reductase (EC 1.10.99.1) 17K protein - green alga KS3/2 chloroplast		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94224	Strand	+
Start	2339	End	4125
Name	OJ000350_09.0323.C24.o1.ts	Method	TBLASTX:Soybean
Start	619	End	1864
GI	none	Score	93
Exons	619..684, 641..685, 1669..1863, 1673..1864, 1694..1864		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94224	Strand	+
Start	2339	End	4125
Name	OJ000350_09.0323.C24.o2.np	Method	AAT/NAP
Start	2339	End	4125
GI	7413540	Score	517
Exons	2339..2370, 3499..4125		
GI Descrip.	(AL162972) putative protein [Arabidopsis thaliana]		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94224	Strand	+
Start	2339	End	4125
Name	OJ000350_09.0323.C24.o1.tw	Method	TBLASTX:Wheat
Start	3494	End	4125
GI	none	Score	121
Exons	3494..3715, 3631..3834, 3632..3964, 3963..4109, 3970..4125		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94224	Strand	+
Start	2339	End	4125
Name	OJ000350_09.0323.C24.o2.ts	Method	TBLASTX:Soybean
Start	3500	End	4125
GI	none	Score	145
Exons	3500..3850, 3620..3793, 3785..3970, 3970..4125, 3984..4097		

Seq. No.	44675	Seq. ID	OJ000350_09.0323.C24
Gene No.	94224	Strand	+
Start	2339	End	4125
Name	OJ000350_09.0323.C24.o1.tm	Method	TBLASTX:Maize
Start	3557	End	4125
GI	none	Score	193
Exons	3557..3940, 3593..3775, 3625..3894, 3860..3955, 3973..4125		

Seq. No.	44676	Seq. ID	OJ991208_20.0406.C1
Gene No.	94225	Strand	-
Start	1	End	770
Name	OJ991208_20.0406.C1.o1.gp	Method	AAT/GAP
Start	1	End	770
GI	67563_1.R1084	Score	743
Exons	1..358, 731..770		
GI Descrip.	'4510381/gb|AAD21469.1| 3.0e-14 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44676	Seq. ID	OJ991208_20.0406.C1
Gene No.	94225	Strand	-
Start	1	End	770
Name	OJ991208_20.0406.C1.o1.gs	Method	GENSCAN
Start	8	End	358
GI	none	Score	.64
Exons	8..128, 158..358		

Seq. No.	44676	Seq. ID	OJ991208_20.0406.C1
Gene No.	94225	Strand	-
Start	1	End	770
Name	OJ991208_20.0406.C1.o1.tm	Method	TBLASTX:Maize
Start	40	End	769

GI	none	Score	131
Exons	40..252, 43..126, 45..251, 54..260, 157..252, 238..324, 306..362, 313..363, 314..361, 729..764, 731..769		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94226	Strand	+
Start	1	End	933
Name	OJ991208_20.0406.C3.o1.gp	Method	AAT/GAP
Start	1	End	791
GI	4175_1.R1084	Score	1375
Exons	1..91, 174..791		
GI Descrip.	'2435519 4.0e-37 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94226	Strand	+
Start	1	End	933
Name	OJ991208_20.0406.C3.o1.np	Method	AAT/NAP
Start	1	End	381
GI	6721117	Score	273
Exons	1..91, 174..381		
GI Descrip.	(AC007396) T4O12.8 [Arabidopsis thaliana]		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94226	Strand	+
Start	1	End	933
Name	OJ991208_20.0406.C3.o1.gs	Method	GENSCAN
Start	174	End	933
GI	none	Score	.79
Exons	174..343, 896..933		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94227	Strand	+
Start	5489	End	9130
Name	OJ991208_20.0406.C3.o3.gs	Method	GENSCAN
Start	5489	End	9093
GI	none	Score	.83
Exons	5489..5635, 5759..5819, 5896..5932, 6393..6523, 6603..6746, 6842..6932, 7129..7262, 7390..7521, 8632..8758, 8846..8900, 8982..9093		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94227	Strand	+
Start	5489	End	9130
Name	OJ991208_20.0406.C3.o2.np	Method	AAT/NAP
Start	5526	End	9130
GI	4567275	Score	432
Exons	5526..5635, 5759..5819, 5896..5932, 6393..6885, 7127..7262, 7390..7529, 8532..8582, 8676..8758, 8846..8900, 8982..9130		
GI Descrip.	(AC006841) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o1.ts	Method	TBLASTX:Soybean
Start	2	End	384

GI	none	Score	121
Exons	2..94, 3..92, 9..104, 163..384, 171..368		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o2.tm	Method	TBLASTX:Maize
Start	2	End	663
GI	none	Score	127
Exons	2..94, 3..92, 6..101, 163..384, 171..389, 458..493, 499..600, 499..600, 603..647, 640..663		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o1.tc	Method	TBLASTX:Cress
Start	23	End	378
GI	none	Score	84
Exons	23..109, 24..89, 163..378, 171..374		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o2.gs	Method	GENSCAN
Start	1649	End	4125
GI	none	Score	.85
Exons	1649..2142, 2233..2408, 2513..2648, 2887..3050, 4058..4125		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o1.tm	Method	TBLASTX:Maize
Start	1650	End	2030
GI	none	Score	42
Exons	1650..1670, 1672..2028, 1673..2029, 1680..2030		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o2.tc	Method	TBLASTX:Cress
Start	1775	End	2006
GI	none	Score	169
Exons	1775..2005, 1806..2006		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o2.ts	Method	TBLASTX:Soybean
Start	1878	End	2125
GI	none	Score	117
Exons	1878..1997, 1889..2125		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94228	Strand	-
Start	1649	End	4125
Name	OJ991208_20.0406.C3.o3.tm	Method	TBLASTX:Maize
Start	2030	End	2574

GI	none	Score	53
Exons	2030..2119, 2031..2114, 2031..2120, 2032..2115, 2114..2152, 2115..2144, 2231..2284, 2231..2287, 2232..2288, 2288..2410, 2289..2414, 2507..2572, 2512..2574, 2513..2572		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94229	Strand	
Start	5470	End	6513
Name	OJ991208_20.0406.C3.o5.tm	Method	TBLASTX:Maize
Start	5470	End	6513
GI	none	Score	57
Exons	5470..5508, 5474..5509, 5579..5644, 5581..5643, 5756..5818, 5759..5821, 5761..5820, 5883..5921, 5883..5933, 5894..5956, 6393..6491, 6393..6512, 6394..6513		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94230	Strand	
Start	7386	End	9083
Name	OJ991208_20.0406.C3.o4.tm	Method	TBLASTX:Maize
Start	7386	End	8735
GI	none	Score	143
Exons	7386..7520, 7387..7521, 7388..7522, 7389..7523, 8529..8582, 8531..8581, 8676..8735, 8676..8732		

Seq. No.	44677	Seq. ID	OJ991208_20.0406.C3
Gene No.	94230	Strand	
Start	7386	End	9083
Name	OJ991208_20.0406.C3.o3.tc	Method	TBLASTX:Cress
Start	8529	End	9083
GI	none	Score	72
Exons	8529..8582, 8673..8759, 8853..8915, 8981..9082, 8982..9083		

Seq. No.	44678	Seq. ID	OJ991208_20.0406.C6
Gene No.	94231	Strand	-
Start	1	End	712
Name	OJ991208_20.0406.C6.o1.np	Method	AAT/NAP
Start	1	End	712
GI	2149640	Score	121
Exons	1..63, 488..594, 666..712		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94232	Strand	+
Start	5101	End	5833
Name	OJ991208_20.0406.C7.o2.gs	Method	GENSCAN
Start	5101	End	5833
GI	none	Score	.64
Exons	5101..5195, 5428..5833		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94233	Strand	-
Start	1	End	3547
Name	OJ991208_20.0406.C7.o1.np	Method	AAT/NAP

Start	1	End	3547
GI	4510428	Score	385
Exons	1..35, 127..276, 365..570, 2852..2979, 3132..3547		
GI Descrip.	(AC006929) Argonaute (AGO1)-like protein [Arabidopsis thaliana]		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94233	Strand	-
Start	1	End	3547
Name	OJ991208_20.0406.C7.o1.gs	Method	GENSCAN
Start	99	End	3547
GI	none	Score	.81
Exons	99..276, 365..570, 2753..2806, 2852..3547		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94233	Strand	-
Start	1	End	3547
Name	OJ991208_20.0406.C7.o1.tc	Method	TBLASTX:Cress
Start	124	End	2978
GI	none	Score	83
Exons	124..279, 132..278, 368..484, 382..570, 407..487, 2846..2977, 2847..2978		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94233	Strand	-
Start	1	End	3547
Name	OJ991208_20.0406.C7.o1.ts	Method	TBLASTX:Soybean
Start	124	End	571
GI	none	Score	87
Exons	124..279, 132..278, 379..570, 407..571		

Seq. No.	44679	Seq. ID	OJ991208_20.0406.C7
Gene No.	94233	Strand	-
Start	1	End	3547
Name	OJ991208_20.0406.C7.o1.tm	Method	TBLASTX:Maize
Start	165	End	558
GI	none	Score	80
Exons	165..272, 175..273, 182..298, 382..558, 401..487		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94234	Strand	+
Start	1177	End	2642
Name	OJ991208_20.0406.C8.o1.gs	Method	GENSCAN
Start	1177	End	2642
GI	none	Score	.45
Exons	1177..1520, 1835..2000, 2497..2642		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94235	Strand	-
Start	2964	End	4387
Name	OJ991208_20.0406.C8.o2.gs	Method	GENSCAN
Start	2964	End	4286
GI	none	Score	.97
Exons	2964..4286		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94235	Strand	-
Start	2964	End	4387

Name	OJ991208_20.0406.C8.o1.gp	Method	AAT/GAP
Start	3853	End	4387
GI	none	Score	1026
Exons	3853..4387		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94236	Strand	-
Start	5406	End	7831
Name	OJ991208_20.0406.C8.o1.np	Method	AAT/NAP
Start	5406	End	7831
GI	7487960	Score	711
Exons	5406..5820, 7580..7831		
GI Descrip.	multidrug export protein homolog T8K22.11 - Arabidopsis thaliana gi|3184280|gb|AAC18927.1| (AC004136) putative transport protein [Arabidopsis thaliana]		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94237	Strand	-
Start	7869	End	8285
Name	OJ991208_20.0406.C8.o2.gp	Method	AAT/GAP
Start	7869	End	8285
GI	2428002	Score	746
Exons	7869..8285		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94238	Strand	-
Start	8638	End	10765
Name	OJ991208_20.0406.C8.o3.gp	Method	AAT/GAP
Start	8638	End	10765
GI	57441_1.R1084	Score	1309
Exons	8638..8976, 10298..10420, 10524..10765		
GI Descrip.	'2129752/pir||S58123 5.0e-28 thioredoxin - Arabidopsis thaliana >gi_992964_emb_CAA84612_ (Z35475) thioredoxin [Arabidopsis thaliana]'		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94238	Strand	-
Start	8638	End	10765
Name	OJ991208_20.0406.C8.o2.np	Method	AAT/NAP
Start	8848	End	10673
GI	2129752	Score	248
Exons	8848..8976, 10298..10420, 10524..10673		
GI Descrip.	thioredoxin - Arabidopsis thaliana gi|992964|emb|CAA84612| (Z35475) thioredoxin [Arabidopsis thaliana]		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94239	Strand	-
Start	11108	End	14075
Name	OJ991208_20.0406.C8.o1.tw	Method	TBLASTX:Wheat
Start	3731	End	10643
GI	none	Score	82
Exons	3731..3832, 10298..10375, 10298..10429, 10302..10421, 10521..10643		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94239	Strand	-
Start	11108	End	14075

Name	OJ991208_20.0406.C8.o1.tm	Method	TBLASTX:Maize
Start	8834	End	10682
GI	none	Score	159
Exons	8834..8977, 8836..8982, 8837..8977, 10298..10417, 10298..10429, 10302..10421, 10501..10665, 10521..10682		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94239	Strand	-
Start	11108	End	14075
Name	OJ991208_20.0406.C8.o4.gs	Method	GENSCAN
Start	11108	End	13417
GI	none	Score	.69
Exons	11108..11263, 11701..11843, 13411..13417		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94239	Strand	-
Start	11108	End	14075
Name	OJ991208_20.0406.C8.o4.gp	Method	AAT/GAP
Start	11318	End	13049
GI	31068_1.R1084	Score	1240
Exons	11318..11843, 12919..13049		
GI Descrip.	'5453694/ref|NP_006328.1|pICP22BP| 4.0e-14 cell cycle-regulated factor (78 kDa) >gi_3201964 (AF068007) cell cycle-regulated factor p78 [Homo sapiens]'		

Seq. No.	44680	Seq. ID	OJ991208_20.0406.C8
Gene No.	94239	Strand	-
Start	11108	End	14075
Name	OJ991208_20.0406.C8.o3.np	Method	AAT/NAP
Start	11766	End	14075
GI	7288013	Score	117
Exons	11766..11843, 12919..13047, 14053..14075		
GI Descrip.	(AL132971) putative protein [Arabidopsis thaliana]		

Seq. No.	44681	Seq. ID	OJ991208_20.0406.C10
Gene No.	94240	Strand	-
Start	253	End	326
Name	OJ991208_20.0406.C10.o1.gs	Method	GENSCAN
Start	253	End	326
GI	none	Score	.62
Exons	253..326		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94241	Strand	+
Start	18215	End	18610
Name	OJ991208_20.0406.C13.o4.gp	Method	AAT/GAP
Start	18215	End	18610
GI	uC-osflcyp134f10a1	Score	742
Exons	18215..18610		
GI Descrip.	'4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94242	Strand	-
Start	1	End	4298
Name	OJ991208_20.0406.C13.o1.gp	Method	AAT/GAP
Start	1	End	591

GI	20200_1.R1084	Score	456
Exons	1..206, 494..591		
GI Descrip.	'4204304 4.0e-34 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94242	Strand	-
Start	1	End	4298
Name	OJ991208_20.0406.C13.o1.np	Method	AAT/NAP
Start	1	End	4295
GI	4204304	Score	1061
Exons	1..206, 494..778, 1199..1294, 1852..1992, 2085..2147, 2241..2312, 2840..2936, 3793..3884, 3990..4295		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94242	Strand	-
Start	1	End	4298
Name	OJ991208_20.0406.C13.o1.gs	Method	GENSCAN
Start	48	End	4298
GI	none	Score	.76
Exons	48..206, 494..778, 1199..1294, 1852..1992, 2241..2312, 2840..2936, 3793..3884, 3990..4298		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94243	Strand	-
Start	6296	End	8239
Name	OJ991208_20.0406.C13.o2.gp	Method	AAT/GAP
Start	6065	End	6726
GI	33713_1.R1084	Score	1249
Exons	6065..6726		
GI Descrip.	'4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94243	Strand	-
Start	6296	End	8239
Name	OJ991208_20.0406.C13.o2.gs	Method	GENSCAN
Start	6296	End	8182
GI	none	Score	1
Exons	6296..8182		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94243	Strand	-
Start	6296	End	8239
Name	OJ991208_20.0406.C13.o2.np	Method	AAT/NAP
Start	6296	End	8138
GI	7487051	Score	1678
Exons	6296..7483, 7523..8138		
GI Descrip.	hypothetical protein T16B24.15 - Arabidopsis thaliana gi|3402684|gb|AAC28987.1| (AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94243	Strand	-
Start	6296	End	8239

Name	OJ991208_20.0406.C13.o3.gp	Method	AAT/GAP
Start	7730	End	8239
GI	4715379	Score	955
Exons	7730..8239		
GI Descrip.	4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o3.tm	Method	TBLASTX:Maize
Start	96	End	1987
GI	none	Score	113
Exons	96..209, 96..209, 98..226, 116..220, 474..779, 486..677, 487..780, 488..781, 488..781, 1184..1297, 1198..1296, 1848..1985, 1851..1985, 1852..1986, 1853..1987		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o1.tw	Method	TBLASTX:Wheat
Start	487	End	656
GI	none	Score	223
Exons	487..654, 488..655, 495..656		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o4.ts	Method	TBLASTX:Soybean
Start	587	End	781
GI	none	Score	168
Exons	587..781, 594..779, 605..781		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o1.tc	Method	TBLASTX:Cress
Start	6440	End	7100
GI	none	Score	87
Exons	6440..6550, 6560..6946, 6672..6938, 6941..7099, 6957..7100		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o2.tm	Method	TBLASTX:Maize
Start	6446	End	6832
GI	none	Score	42
Exons	6446..6484, 6450..6485, 6488..6580, 6489..6590, 6543..6830, 6545..6832		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o1.ts	Method	TBLASTX:Soybean
Start	6614	End	7004
GI	none	Score	276
Exons	6614..7000, 6651..7004		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o4.tm	Method	TBLASTX:Maize
Start	6851	End	7304
GI	none	Score	309
Exons	6851..7123, 6858..7112, 7036..7131, 7251..7304		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o2.ts	Method	TBLASTX:Soybean
Start	7529	End	7913
GI	none	Score	237
Exons	7529..7912, 7530..7811, 7835..7888, 7878..7913		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o2.tc	Method	TBLASTX:Cress
Start	7616	End	8080
GI	none	Score	113
Exons	7616..8080, 7644..7817, 7911..7967		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o1.tm	Method	TBLASTX:Maize
Start	7640	End	8113
GI	none	Score	500
Exons	7640..8113, 7647..8096		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o5.ts	Method	TBLASTX:Soybean
Start	7913	End	8095
GI	none	Score	140
Exons	7913..8095, 7914..8093		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o3.gs	Method	GENSCAN
Start	10951	End	33875
GI	none	Score	.56
Exons	10951..11042, 12786..12946, 15260..15333, 17633..17772, 18682..18752, 19358..19477, 20116..20236, 20318..20390, 21098..21220, 21414..21514, 21635..21829, 22162..22213, 23328..23645, 25033..25313, 25586..26028, 27817..28097, 29132..29409, 30407..30599, 30718..30792, 31009..31116, 31237..31437, 31734..31811, 32372..32455, 33098..33189, 33284..33875		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-

Start	10951	End	33875
Name	OJ991208_20.0406.C13.o3.np	Method	AAT/NAP
Start	18416	End	21823
GI	4678948	Score	614
Exons	18416..18607, 18682..18752, 19358..19477, 20116..20236, 20318..20390, 20487..20586, 20868..20959, 21098..21239, 21420..21494, 21618..21823		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o5.gp	Method	AAT/GAP
Start	19097	End	19364
GI	none	Score	449
Exons	19097..19364		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o7.tm	Method	TBLASTX:Maize
Start	19438	End	21194
GI	none	Score	153
Exons	19438..19488, 20105..20209, 20109..20237, 20110..20253, 20110..20250, 20316..20390, 20316..20390, 20317..20391, 20317..20391, 20455..20589, 20457..20588, 20485..20589, 20862..20960, 20862..20960, 20870..20962, 20870..20962, 20887..20964, 21078..21185, 21096..21194, 21098..21190		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o3.tc	Method	TBLASTX:Cress
Start	20532	End	21493
GI	none	Score	71
Exons	20532..20588, 20533..20592, 20862..20960, 20873..20959, 21080..21259, 21419..21493		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o6.tm	Method	TBLASTX:Maize
Start	30198	End	30793
GI	none	Score	116
Exons	30198..30275, 30205..30282, 30206..30280, 30210..30290, 30378..30599, 30399..30446, 30400..30600, 30401..30601, 30416..30601, 30486..30605, 30716..30787, 30717..30785, 30718..30792, 30719..30793		

Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o4.np	Method	AAT/NAP
Start	30718	End	33656
GI	129021	Score	289
Exons	30718..30792, 31009..31116, 31237..31437, 31734..31811, 33053..33211, 33319..33509, 33600..33656		

GI Descrip.	SPO0B-ASSOCIATED GTP-BINDING PROTEIN gi|98326|pir||B32804 GTP-binding protein, spo0B 3'-region - Bacillus subtilis gi|508979 (M24537) GTP-binding protein [Bacillus subtilis] gi|2635257|emb|CAB14752| (Z99118) GTPase activity [Bacillus subtilis]		
Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o6.ts	Method	TBLASTX:Soybean
Start	30724	End	31332
GI	none	Score	92
Exons	30724..30795, 31009..31119, 31009..31119, 31231..31332, 31241..31297		
Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o5.tm	Method	TBLASTX:Maize
Start	33326	End	33663
GI	none	Score	60
Exons	33326..33397, 33327..33422, 33327..33515, 33382..33513, 33522..33662, 33559..33663		
Seq. No.	44682	Seq. ID	OJ991208_20.0406.C13
Gene No.	94244	Strand	-
Start	10951	End	33875
Name	OJ991208_20.0406.C13.o3.ts	Method	TBLASTX:Soybean
Start	33330	End	33750
GI	none	Score	37
Exons	33330..33512, 33353..33391, 33451..33513, 33594..33683, 33598..33669, 33700..33750		
Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94245	Strand	+
Start	218	End	602
Name	OJ991208_20.0406.C14.o1.gp	Method	AAT/GAP
Start	218	End	602
GI	none	Score	662
Exons	218..602		
Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o1.gs	Method	GENSCAN
Start	301	End	2603
GI	none	Score	.64
Exons	301..466, 577..599, 885..1020, 1517..1585, 2255..2603		
Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o1.np	Method	AAT/NAP
Start	576	End	2603
GI	629783	Score	656
Exons	576..602, 885..1020, 1517..1585, 2255..2603		
GI Descrip.	ES43 protein - barley gi|1345528|emb|CAA54682| (X77575) ES43		

[Hordeum vulgare]

Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o1.tm	Method	TBLASTX:Maize
Start	882	End	2610
GI	none	Score	143
Exons	882..1019, 883..1032, 887..1021, 1504..1599, 1514..1606, 1515..1583, 1516..1584, 2252..2605, 2254..2610, 2255..2602		

Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o1.ts	Method	TBLASTX:Soybean
Start	1516	End	2611
GI	none	Score	59
Exons	1516..1584, 1517..1582, 2252..2506, 2252..2488, 2253..2489, 2254..2511, 2494..2610, 2531..2611		

Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o2.gp	Method	AAT/GAP
Start	2254	End	2603
GI	46243_1.R1084	Score	622
Exons	2254..2603		
GI Descrip.	'629783/pir||S44281 3.0e-58 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	44683	Seq. ID	OJ991208_20.0406.C14
Gene No.	94246	Strand	-
Start	301	End	2613
Name	OJ991208_20.0406.C14.o1.tc	Method	TBLASTX:Cress
Start	2329	End	2613
GI	none	Score	113
Exons	2329..2520, 2329..2589, 2330..2563, 2530..2613, 2531..2605		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94247	Strand	+
Start	1821	End	2061
Name	OJ991208_20.0406.C15.o1.gp	Method	AAT/GAP
Start	1821	End	2061
GI	46243_1.R1084	Score	428
Exons	1821..2061		
GI Descrip.	'629783/pir||S44281 3.0e-58 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94248	Strand	+
Start	5788	End	7744
Name	OJ991208_20.0406.C15.o2.gs	Method	GENSCAN
Start	5788	End	7744
GI	none	Score	.64
Exons	5788..6122, 7126..7744		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15

Gene No.	94248	Strand	+
Start	5788	End	7744
Name	OJ991208_20.0406.C15.o2.np	Method	AAT/NAP
Start	5803	End	6269
GI	6706416	Score	81
Exons	5803..6026, 6212..6269		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94249	Strand	-
Start	603	End	4134
Name	OJ991208_20.0406.C15.o1.gs	Method	GENSCAN
Start	603	End	4101
GI	none	Score	.74
Exons	603..820, 1831..1930, 3519..3728, 3868..4101		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94249	Strand	-
Start	603	End	4134
Name	OJ991208_20.0406.C15.o1.np	Method	AAT/NAP
Start	3351	End	4134
GI	6562256	Score	628
Exons	3351..3707, 3800..4134		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94250	Strand	-
Start	8981	End	9160
Name	OJ991208_20.0406.C15.o2.tm	Method	TBLASTX:Maize
Start	3340	End	3558
GI	none	Score	264
Exons	3340..3558, 3340..3546, 3366..3557		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94250	Strand	-
Start	8981	End	9160
Name	OJ991208_20.0406.C15.o1.ts	Method	TBLASTX:Soybean
Start	3348	End	4104
GI	none	Score	68
Exons	3348..3566, 3349..3567, 3363..3566, 3588..3695, 3595..3696, 3868..4104, 3893..4084, 3903..4103		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94250	Strand	-
Start	8981	End	9160
Name	OJ991208_20.0406.C15.o1.tm	Method	TBLASTX:Maize
Start	3558	End	4102
GI	none	Score	227
Exons	3558..3731, 3559..3729, 3650..3730, 3868..4101, 3878..4102, 3878..4102		

Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94250	Strand	-
Start	8981	End	9160
Name	OJ991208_20.0406.C15.o1.tc	Method	TBLASTX:Cress
Start	3931	End	4111
GI	none	Score	144

Exons	3931..4071, 3932..4111		
Seq. No.	44684	Seq. ID	OJ991208_20.0406.C15
Gene No.	94250	Strand	-
Start	8981	End	9160
Name	OJ991208_20.0406.C15.o3.gs	Method	GENSCAN
Start	8981	End	9160
GI	none	Score	.78
Exons	8981..9160		
Seq. No.	44685	Seq. ID	OJ991208_20.0406.C16
Gene No.	94251	Strand	-
Start	1	End	907
Name	OJ991208_20.0406.C16.o1.np	Method	AAT/NAP
Start	1	End	907
GI	5882740	Score	222
Exons	1..205, 281..512, 612..907		
GI Descrip.	(AC008263) F25A4.20 [Arabidopsis thaliana] gi|6646781|gb|AAF21093.1|AC013258_31 (AC013258) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	44685	Seq. ID	OJ991208_20.0406.C16
Gene No.	94251	Strand	-
Start	1	End	907
Name	OJ991208_20.0406.C16.o1.gs	Method	GENSCAN
Start	4	End	786
GI	none	Score	.93
Exons	4..786		
Seq. No.	44685	Seq. ID	OJ991208_20.0406.C16
Gene No.	94251	Strand	-
Start	1	End	907
Name	OJ991208_20.0406.C16.o1.tc	Method	TBLASTX:Cress
Start	22	End	898
GI	none	Score	138
Exons	22..192, 640..897, 680..898		
Seq. No.	44685	Seq. ID	OJ991208_20.0406.C16
Gene No.	94251	Strand	-
Start	1	End	907
Name	OJ991208_20.0406.C16.o1.ts	Method	TBLASTX:Soybean
Start	616	End	897
GI	none	Score	180
Exons	616..894, 617..895, 618..896, 712..897		
Seq. No.	44685	Seq. ID	OJ991208_20.0406.C16
Gene No.	94251	Strand	-
Start	1	End	907
Name	OJ991208_20.0406.C16.o1.tm	Method	TBLASTX:Maize
Start	658	End	906
GI	none	Score	111
Exons	658..906, 683..898		
Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94252	Strand	+
Start	5081	End	12049
Name	OJ991208_20.0406.C17.o2.np	Method	AAT/NAP

Start	5081	End	11795
GI	7489011	Score	167
Exons	5081..5170, 7209..7302, 9552..9746, 10523..10669, 11697..11795		
GI Descrip.	glycine-rich protein Tfm5 - tomato gi|1166450|emb|CAA64559.1| (X95262) Tfm5 [Lycopersicon esculentum]		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94252	Strand	+
Start	5081	End	12049
Name	OJ991208_20.0406.C17.o2.gs	Method	GENSCAN
Start	8738	End	9839
GI	none	Score	.51
Exons	8738..8743, 9453..9839		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94252	Strand	+
Start	5081	End	12049
Name	OJ991208_20.0406.C17.o3.gs	Method	GENSCAN
Start	10445	End	12049
GI	none	Score	.52
Exons	10445..10899, 11704..11838, 11864..12049		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94253	Strand	-
Start	1	End	6983
Name	OJ991208_20.0406.C17.o1.gp	Method	AAT/GAP
Start	1	End	226
GI	25300_1.R1084	Score	248
Exons	1..80, 151..226		
GI Descrip.	'2435519 1.0e-123 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94253	Strand	-
Start	1	End	6983
Name	OJ991208_20.0406.C17.o1.np	Method	AAT/NAP
Start	1	End	3541
GI	6598811	Score	1116
Exons	1..80, 151..225, 788..910, 989..1078, 1165..1221, 1460..1547, 2111..2296, 3045..3171, 3267..3363, 3449..3541		
GI Descrip.	(AF024504) putative vacuolar sorting-associated protein [Arabidopsis thaliana]		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94253	Strand	-
Start	1	End	6983
Name	OJ991208_20.0406.C17.o1.gs	Method	GENSCAN
Start	21	End	6983
GI	none	Score	.79
Exons	21..80, 151..225, 989..1078, 1460..1547, 2111..2296, 3045..3171, 3267..3363, 3449..3812, 6309..6460, 6768..6983		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94253	Strand	-
Start	1	End	6983
Name	OJ991208_20.0406.C17.o2.gp	Method	AAT/GAP

Start	3083	End	3596
GI	426219	Score	592
Exons	3083..3171, 3267..3363, 3449..3596		
GI Descrip.	2435519 5.0e-34 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94253	Strand	-
Start	1	End	6983
Name	OJ991208_20.0406.C17.o3.gp	Method	AAT/GAP
Start	5938	End	6942
GI	62018_1.R1084	Score	926
Exons	5938..6108, 6309..6460, 6768..6942		
GI Descrip.	'2435519 5.0e-34 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94254	Strand	-
Start	11056	End	11153
Name	OJ991208_20.0406.C17.o4.np	Method	AAT/NAP
Start	11056	End	11153
GI	5777617	Score	74
Exons	11056..11153		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o3.tm	Method	TBLASTX:Maize
Start	13	End	926
GI	none	Score	100
Exons	13..81, 18..83, 148..228, 149..226, 149..229, 151..228, 788..913, 790..921, 792..923, 798..926		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o2.ts	Method	TBLASTX:Soybean
Start	48	End	2295
GI	none	Score	61
Exons	48..83, 52..90, 181..237, 182..229, 777..914, 782..913, 787..915, 980..1078, 981..1112, 1162..1224, 1460..1546, 1467..1538, 1967..2083, 2113..2295, 2183..2293		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o2.tm	Method	TBLASTX:Maize
Start	1460	End	2293
GI	none	Score	104
Exons	1460..1546, 1460..1546, 1461..1547, 2107..2286, 2110..2286, 2126..2287, 2183..2293		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-

Start	11816	End	12225
Name	OJ991208_20.0406.C17.o1.tc	Method	TBLASTX:Cress
Start	2146	End	3526
GI	none	Score	92
Exons	2146..2295, 2156..2308, 2164..2280, 2183..2293, 3029..3130, 3107..3169, 3268..3372, 3272..3364, 3449..3526, 3449..3526		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o1.ts	Method	TBLASTX:Soybean
Start	3029	End	3529
GI	none	Score	73
Exons	3029..3130, 3041..3115, 3072..3146, 3107..3169, 3254..3364, 3255..3371, 3268..3372, 3447..3479, 3449..3529, 3458..3529		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o1.tm	Method	TBLASTX:Maize
Start	3044	End	3694
GI	none	Score	184
Exons	3044..3169, 3045..3170, 3059..3172, 3268..3372, 3272..3364, 3276..3371, 3447..3485, 3449..3547, 3449..3550, 3585..3677, 3665..3694, 3671..3694		

Seq. No.	44686	Seq. ID	OJ991208_20.0406.C17
Gene No.	94255	Strand	-
Start	11816	End	12225
Name	OJ991208_20.0406.C17.o5.np	Method	AAT/NAP
Start	11816	End	12225
GI	6815062	Score	288
Exons	11816..11875, 12068..12225		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	44687	Seq. ID	OJ991208_20.0406.C18
Gene No.	94256	Strand	-
Start	1	End	8008
Name	OJ991208_20.0406.C18.o1.np	Method	AAT/NAP
Start	1	End	5840
GI	6815062	Score	5900
Exons	1..24, 1447..1786, 1864..1962, 2044..2394, 2438..2643, 2736..2927, 3004..3391, 3485..3765, 4038..4110, 4329..5840		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	44687	Seq. ID	OJ991208_20.0406.C18
Gene No.	94256	Strand	-
Start	1	End	8008
Name	OJ991208_20.0406.C18.o1.gs	Method	GENSCAN
Start	765	End	8008
GI	none	Score	.53
Exons	765..983, 1059..1176, 1437..1786, 1864..1962, 2044..2147, 2240..2394, 2438..2643, 2736..2927, 3004..3264, 3327..3400,		

3495..3765, 4038..4110, 4329..4571, 4909..7129, 7664..7774, 7853..8008

Seq. No.	44687	Seq. ID	OJ991208_20.0406.C18
Gene No.	94256	Strand	-
Start	1	End	8008
Name	OJ991208_20.0406.C18.o2.tm	Method	TBLASTX:Maize
Start	1703	End	3172
GI	none	Score	67
Exons	1703..1801, 2044..2169, 2199..2345, 2437..2463, 2470..2637, 2470..2637, 2718..2795, 2868..2939, 3001..3171, 3008..3172		

Seq. No.	44687	Seq. ID	OJ991208_20.0406.C18
Gene No.	94256	Strand	-
Start	1	End	8008
Name	OJ991208_20.0406.C18.o3.tm	Method	TBLASTX:Maize
Start	3175	End	3657
GI	none	Score	145
Exons	3175..3270, 3280..3309, 3304..3387, 3472..3657, 3479..3655		

Seq. No.	44687	Seq. ID	OJ991208_20.0406.C18
Gene No.	94256	Strand	-
Start	1	End	8008
Name	OJ991208_20.0406.C18.o1.tm	Method	TBLASTX:Maize
Start	5256	End	5799
GI	none	Score	39
Exons	5256..5621, 5276..5299, 5332..5622, 5640..5795, 5674..5799		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94257	Strand	+
Start	232	End	339
Name	OJ991208_20.0406.C19.o1.gp	Method	AAT/GAP
Start	232	End	339
GI	LIB3477-003-P1-K1-E9	Score	164
Exons	232..339		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94258	Strand	+
Start	4431	End	6774
Name	OJ991208_20.0406.C19.o1.np	Method	AAT/NAP
Start	4320	End	6774
GI	7288013	Score	247
Exons	4320..4508, 5629..5950, 6659..6774		
GI Descrip.	(AL132971) putative protein [Arabidopsis thaliana]		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94258	Strand	+
Start	4431	End	6774
Name	OJ991208_20.0406.C19.o3.gp	Method	AAT/GAP
Start	4430	End	5933
GI	5002875	Score	748
Exons	4430..4508, 5629..5933		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19

Gene No.	94258	Strand	+
Start	4431	End	6774
Name	OJ991208_20.0406.C19.o2.gs	Method	GENSCAN
Start	4431	End	6706
GI	none	Score	.59
Exons	4431..4508, 5629..6706		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94259	Strand	-
Start	95	End	3958
Name	OJ991208_20.0406.C19.o1.gs	Method	GENSCAN
Start	95	End	3958
GI	none	Score	.47
Exons	95..155, 1328..1426, 1755..1981, 2126..2168, 2269..2367, 2456..2518, 2751..2848, 3565..3633, 3899..3958		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94259	Strand	-
Start	95	End	3958
Name	OJ991208_20.0406.C19.o2.gp	Method	AAT/GAP
Start	1176	End	2487
GI	none	Score	1391
Exons	1176..1426, 1733..2045, 2126..2193, 2269..2367, 2456..2487		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94260	Strand	
Start	4451	End	5913
Name	OJ991208_20.0406.C19.o1.tm	Method	TBLASTX:Maize
Start	4451	End	5913
GI	none	Score	77
Exons	4451..4507, 4455..4508, 5580..5807, 5627..5797, 5631..5807, 5632..5808, 5808..5912, 5808..5912, 5809..5913, 5809..5913		

Seq. No.	44688	Seq. ID	OJ991208_20.0406.C19
Gene No.	94261	Strand	
Start	6454	End	6763
Name	OJ991208_20.0406.C19.o2.tm	Method	TBLASTX:Maize
Start	6454	End	6763
GI	none	Score	132
Exons	6454..6609, 6455..6610, 6456..6611, 6457..6612, 6621..6755, 6649..6729, 6652..6759, 6671..6763		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	20200_1.R1084	Score	115
Exons	1..76		
GI Descrip.	'4204304 4.0e-34 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o1.np	Method	AAT/NAP
Start	1	End	1080

GI	4204304	Score	755
Exons	1..88, 613..879, 964..1080		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o1.ts	Method	TBLASTX:Soybean
Start	14	End	1062
GI	none	Score	116
Exons	14..91, 16..90, 606..887, 607..879, 964..1062, 966..1040		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o1.gs	Method	GENSCAN
Start	32	End	1083
GI	none	Score	.92
Exons	32..88, 613..879, 964..1083		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o1.tm	Method	TBLASTX:Maize
Start	612	End	849
GI	none	Score	203
Exons	612..803, 615..848, 616..849, 727..849		

Seq. No.	44689	Seq. ID	OJ991208_20.0406.C21
Gene No.	94262	Strand	+
Start	1	End	1084
Name	OJ991208_20.0406.C21.o2.tm	Method	TBLASTX:Maize
Start	850	End	1084
GI	none	Score	60
Exons	850..879, 855..887, 963..1043, 964..1062, 965..1084		

Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.np	Method	AAT/NAP
Start	1	End	2797
GI	2149640	Score	975
Exons	1..164, 996..1027, 1122..1216, 1313..1386, 1490..1625, 1721..1784, 1864..1926, 2006..2145, 2333..2473, 2593..2797		
GI Descrip.	(U91995) Argonaute protein [Arabidopsis thaliana] gi|5733867|gb|AAD49755.1|AC007932_3 (AC007932) Identical to gb|U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb|H76075, gb|AA720232, gb|N65911 and gb|AA651494 come from this gene.		

Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.gs	Method	GENSCAN
Start	49	End	2651
GI	none	Score	.87

Exons	49..164, 435..515, 996..1027, 1122..1216, 1313..1438, 1721..1784, 1864..1926, 2006..2145, 2291..2501, 2593..2651		
Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.ts	Method	TBLASTX:Soybean
Start	85	End	2420
GI	none	Score	80
Exons	85..159, 86..154, 109..165, 997..1029, 1098..1220, 1119..1217, 1121..1231, 1311..1367, 1313..1387, 1314..1388, 1488..1628, 1491..1631, 1546..1632, 1721..1798, 1722..1787, 1863..1928, 2006..2146, 2029..2145, 2333..2419, 2334..2420		
Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.tc	Method	TBLASTX:Cress
Start	109	End	2715
GI	none	Score	102
Exons	109..165, 997..1029, 1119..1220, 1121..1231, 1313..1387, 1317..1388, 1488..1628, 1489..1632, 1549..1629, 1721..1798, 1728..1787, 1863..1928, 1864..1926, 2003..2146, 2014..2145, 2333..2425, 2334..2468, 2432..2476, 2590..2715, 2591..2695		
Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.tm	Method	TBLASTX:Maize
Start	997	End	1926
GI	none	Score	40
Exons	997..1029, 998..1030, 1095..1220, 1121..1231, 1122..1220, 1313..1387, 1317..1388, 1478..1627, 1488..1631, 1488..1628, 1489..1656, 1711..1779, 1721..1798, 1722..1787, 1860..1919, 1863..1925, 1864..1926		
Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o1.tw	Method	TBLASTX:Wheat
Start	2333	End	2716
GI	none	Score	88
Exons	2333..2425, 2334..2468, 2432..2476, 2590..2715, 2591..2716		
Seq. No.	44690	Seq. ID	OJ991208_20.0406.C22
Gene No.	94263	Strand	-
Start	1	End	2797
Name	OJ991208_20.0406.C22.o2.tm	Method	TBLASTX:Maize
Start	2343	End	2716
GI	none	Score	188
Exons	2343..2474, 2345..2497, 2345..2476, 2377..2484, 2586..2711, 2587..2712, 2590..2715, 2591..2716		
Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94264	Strand	+
Start	244	End	815
Name	OJ991108_12.0404.C2.o1.gp	Method	AAT/GAP

Start	244	End	815
GI	24037_1.R1084	Score	346
Exons	244..296, 673..815		
GI Descrip.	'3702338 1.0e-38 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94265	Strand	+
Start	5995	End	10694
Name	OJ991108_12.0404.C2.o2.gs	Method	GENSCAN
Start	5995	End	10694
GI	none	Score	.85
Exons	5995..6126, 6574..7343, 8079..8183, 8275..8397, 9233..9403, 9488..9617, 9697..9750, 9999..10087, 10586..10694		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94265	Strand	+
Start	5995	End	10694
Name	OJ991108_12.0404.C2.o2.np	Method	AAT/NAP
Start	6667	End	10020
GI	2505874	Score	1323
Exons	6667..6835, 6949..7343, 8079..8183, 8275..8397, 9233..9403, 9488..9617, 9697..10020		
GI Descrip.	(Y12776) putative kinase [Arabidopsis thaliana]		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94265	Strand	+
Start	5995	End	10694
Name	OJ991108_12.0404.C2.o3.gp	Method	AAT/GAP
Start	8304	End	9813
GI	20801_1.R1084	Score	924
Exons	8304..8397, 9233..9403, 9488..9617, 9697..9813		
GI Descrip.	'2505874/emb|CAA73303| 1.0e-75 (Y12776) putative kinase [Arabidopsis thaliana]'		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94266	Strand	-
Start	2685	End	3707
Name	OJ991108_12.0404.C2.o2.gp	Method	AAT/GAP
Start	2273	End	2517
GI	8022_1.R1084	Score	322
Exons	2273..2517		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94266	Strand	-
Start	2685	End	3707
Name	OJ991108_12.0404.C2.o1.gs	Method	GENSCAN
Start	2685	End	3707
GI	none	Score	.66
Exons	2685..2794, 3021..3179, 3321..3475, 3652..3707		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o3.tc	Method	TBLASTX:Cress

Start	7098	End	7350
GI	none	Score	268
Exons	7098..7196, 7138..7344, 7192..7350		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o2.tm	Method	TBLASTX:Maize
Start	7110	End	8184
GI	none	Score	56
Exons	7110..7157, 7123..7158, 7164..7337, 7170..7205, 7171..7344, 7186..7353, 7223..7354, 8076..8183, 8077..8184, 8077..8184		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o2.ts	Method	TBLASTX:Soybean
Start	7171	End	7341
GI	none	Score	223
Exons	7171..7341		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o1.ts	Method	TBLASTX:Soybean
Start	8044	End	9896
GI	none	Score	192
Exons	8044..8184, 8076..8183, 8270..8389, 8271..8390, 8273..8413, 9234..9410, 9234..9401, 9235..9438, 9260..9409, 9486..9569, 9488..9622, 9489..9620, 9685..9759, 9694..9771, 9696..9890, 9759..9863, 9840..9896		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o1.tc	Method	TBLASTX:Cress
Start	8076	End	9410
GI	none	Score	181
Exons	8076..8177, 8077..8184, 8270..8395, 8271..8360, 8273..8413, 9234..9410, 9260..9409		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o1.tm	Method	TBLASTX:Maize
Start	8279	End	10190
GI	none	Score	217
Exons	8279..8413, 8279..8413, 9231..9338, 9232..9345, 9234..9356, 9260..9385, 9335..9406, 9335..9409, 9342..9410, 9489..9620, 9489..9620, 9490..9621, 9491..9622, 9689..9742, 9694..9789, 9694..9762, 9696..9797, 9759..9905, 9762..9890, 9772..9906, 9775..9924, 9999..10019, 10022..10084, 10023..10091, 10125..10190, 10126..10170		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387

Name	OJ991108_12.0404.C2.o1.tw	Method	TBLASTX:Wheat
Start	9234	End	9620
GI	none	Score	175
Exons	9234..9410, 9240..9338, 9260..9403, 9489..9620, 9497..9592		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o2.tc	Method	TBLASTX:Cress
Start	9500	End	9908
GI	none	Score	164
Exons	9500..9616, 9501..9617, 9694..9771, 9699..9770, 9759..9905, 9788..9859, 9792..9908, 9829..9906		

Seq. No.	44691	Seq. ID	OJ991108_12.0404.C2
Gene No.	94267	Strand	-
Start	11539	End	12387
Name	OJ991108_12.0404.C2.o3.gs	Method	GENSCAN
Start	11539	End	12387
GI	none	Score	.93
Exons	11539..11710, 11865..11954, 12185..12387		

Seq. No.	44692	Seq. ID	OJ991108_12.0404.C3
Gene No.	94268	Strand	+
Start	68	End	892
Name	OJ991108_12.0404.C3.o1.gs	Method	GENSCAN
Start	68	End	892
GI	none	Score	.67
Exons	68..99, 814..892		

Seq. No.	44692	Seq. ID	OJ991108_12.0404.C3
Gene No.	94269	Strand	-
Start	1988	End	2045
Name	OJ991108_12.0404.C3.o1.gp	Method	AAT/GAP
Start	1988	End	2045
GI	2428749	Score	71
Exons	1988..2045		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94270	Strand	+
Start	10036	End	11867
Name	OJ991108_12.0404.C4.o2.gp	Method	AAT/GAP
Start	9938	End	10356
GI	3061057	Score	544
Exons	9938..10183, 10268..10356		
GI Descrip.	4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94270	Strand	+
Start	10036	End	11867
Name	OJ991108_12.0404.C4.o2.np	Method	AAT/NAP
Start	10006	End	11867
GI	4263821	Score	388
Exons	10006..10183, 10247..10344, 10433..10516, 10607..10720, 11831..11867		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94270	Strand	+
Start	10036	End	11867
Name	OJ991108_12.0404.C4.o2.gs	Method	GENSCAN
Start	10036	End	11490
GI	none	Score	.73
Exons	10036..10183, 10223..10344, 10394..10516, 10607..10720, 11404..11490		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94271	Strand	-
Start	1	End	4160
Name	OJ991108_12.0404.C4.o1.gp	Method	AAT/GAP
Start	1	End	422
GI	uC-osflcyp173b03b1	Score	807
Exons	1..422		
GI Descrip.	'4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94271	Strand	-
Start	1	End	4160
Name	OJ991108_12.0404.C4.o1.np	Method	AAT/NAP
Start	1	End	4160
GI	7106508	Score	117
Exons	1..135, 1924..2052, 2129..2226, 2280..2578, 4133..4160		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94272	Strand	
Start	10002	End	11496
Name	OJ991108_12.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	10002	End	11496
GI	none	Score	108
Exons	10002..10163, 10003..10182, 10278..10343, 10282..10344, 10430..10558, 10432..10515, 10592..10699, 10694..10723, 11386..11496		

Seq. No.	44693	Seq. ID	OJ991108_12.0404.C4
Gene No.	94272	Strand	
Start	10002	End	11496
Name	OJ991108_12.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	10083	End	10651
GI	none	Score	65
Exons	10083..10118, 10083..10181, 10129..10182, 10269..10292, 10269..10343, 10282..10344, 10430..10558, 10432..10557, 10592..10651, 10593..10646, 10598..10651		

Seq. No.	44694	Seq. ID	OJ991108_12.0404.C5
Gene No.	94273	Strand	+
Start	1	End	3250
Name	OJ991108_12.0404.C5.o1.np	Method	AAT/NAP
Start	1	End	3250
GI	4263821	Score	125
Exons	1..41, 777..850, 2799..2992, 3169..3250		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44694	Seq. ID	OJ991108_12.0404.C5
Gene No.	94273	Strand	+
Start	1	End	3250
Name	OJ991108_12.0404.C5.o1.gp	Method	AAT/GAP
Start	777	End	3187
GI	LIB3432-012-P1-K1-G5	Score	660
Exons	777..850, 2799..2992, 3082..3187		
GI Descrip.	'4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44694	Seq. ID	OJ991108_12.0404.C5
Gene No.	94273	Strand	+
Start	1	End	3250
Name	OJ991108_12.0404.C5.o1.gs	Method	GENSCAN
Start	1325	End	2020
GI	none	Score	.85
Exons	1325..2020		

Seq. No.	44694	Seq. ID	OJ991108_12.0404.C5
Gene No.	94274	Strand	-
Start	2680	End	3244
Name	OJ991108_12.0404.C5.o1.tm	Method	TBLASTX:Maize
Start	734	End	3244
GI	none	Score	96
Exons	734..850, 776..850, 777..851, 780..851, 781..858, 2796..2909, 2796..2909, 2797..2943, 2944..2997, 3101..3160, 3101..3175, 3103..3177, 3108..3179, 3156..3224, 3158..3244, 3159..3227		

Seq. No.	44694	Seq. ID	OJ991108_12.0404.C5
Gene No.	94274	Strand	-
Start	2680	End	3244
Name	OJ991108_12.0404.C5.o2.gs	Method	GENSCAN
Start	2680	End	2829
GI	none	Score	.87
Exons	2680..2829		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94275	Strand	+
Start	185	End	828
Name	OJ991108_12.0404.C6.o1.gs	Method	GENSCAN
Start	185	End	828
GI	none	Score	.79
Exons	185..261, 344..596, 811..828		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94276	Strand	+
Start	2023	End	2890
Name	OJ991108_12.0404.C6.o2.gs	Method	GENSCAN
Start	2023	End	2890
GI	none	Score	.84
Exons	2023..2403, 2429..2890		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94277	Strand	+
Start	3550	End	3967
Name	OJ991108_12.0404.C6.o1.gp	Method	AAT/GAP

Start	3550	End	3967
GI	none	Score	767
Exons	3550..3967		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94278	Strand	+
Start	12271	End	12532
Name	OJ991108_12.0404.C6.o3.gp	Method	AAT/GAP
Start	12271	End	12532
GI	uC-osflcyp132g04a1	Score	524
Exons	12271..12532		
GI Descrip.	'2505877/emb|CAA73306| 7.0e-36 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o2.tm	Method	TBLASTX:Maize
Start	207	End	597
GI	none	Score	82
Exons	207..263, 212..262, 288..536, 341..550, 341..550, 430..597		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o3.gs	Method	GENSCAN
Start	3475	End	12358
GI	none	Score	.77
Exons	3475..3623, 3845..3890, 4457..4591, 4919..5037, 5466..5556, 6027..6215, 7570..7653, 7800..7961, 8050..8193, 8451..8568, 8694..8724, 10145..10382, 11319..11465, 12287..12358		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o1.np	Method	AAT/NAP
Start	4439	End	10406
GI	1389768	Score	980
Exons	4439..4591, 4919..5037, 5265..5324, 5466..5556, 6027..6215, 7570..7653, 7800..7961, 8050..8198, 10369..10406		
GI Descrip.	(U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	4458	End	7618
GI	none	Score	82
Exons	4458..4523, 4466..4525, 4548..4592, 4548..4589, 4917..5042, 4917..5042, 4919..5044, 4919..5044, 4922..5059, 4922..5056, 4923..5057, 4924..5064, 4979..5059, 5264..5338, 5264..5317, 5266..5337, 5464..5556, 5464..5556, 5465..5557, 6027..6218, 6031..6111, 6032..6217, 6033..6218, 7564..7614, 7570..7614, 7571..7618		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6

Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o2.gp	Method	AAT/GAP
Start	4470	End	5543
GI	LIB3434-026-P1-K1-E6	Score	658
Exons	4470..4591, 4919..5037, 5265..5324, 5466..5543		
GI Descrip.	'1389768 1.0e-34 (U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o1.ts	Method	TBLASTX:Soybean
Start	7565	End	8088
GI	none	Score	85
Exons	7565..7654, 7833..7964, 8047..8088		

Seq. No.	44695	Seq. ID	OJ991108_12.0404.C6
Gene No.	94279	Strand	-
Start	3475	End	12358
Name	OJ991108_12.0404.C6.o3.tm	Method	TBLASTX:Maize
Start	7836	End	8196
GI	none	Score	104
Exons	7836..7964, 7890..7964, 8029..8103, 8047..8091, 8158..8196, 8161..8196		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94280	Strand	+
Start	647	End	1153
Name	OJ991108_12.0404.C7.o2.gp	Method	AAT/GAP
Start	647	End	1153
GI	uC-osflM202096g03b1	Score	964
Exons	647..1153		
GI Descrip.	'2505877/emb|CAA73306| 6.0e-14 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94281	Strand	+
Start	12407	End	14100
Name	OJ991108_12.0404.C7.o4.gs	Method	GENSCAN
Start	12407	End	14100
GI	none	Score	.46
Exons	12407..12472, 13088..13376, 13673..13839, 13936..14100		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94282	Strand	+
Start	16300	End	17110
Name	OJ991108_12.0404.C7.o5.gp	Method	AAT/GAP
Start	16300	End	17029
GI	uC-osflM202046b02b1	Score	829
Exons	16300..16477, 16668..16743, 16840..17029		
GI Descrip.	'1922242/emb|CAA71173| 5.0e-13 (Y10084) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94282	Strand	+
Start	16300	End	17110

Name	OJ991108_12.0404.C7.o6.gs	Method	GENSCAN
Start	16618	End	17100
GI	none	Score	.94
Exons	16618..16623, 16668..17100		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94282	Strand	+
Start	16300	End	17110
Name	OJ991108_12.0404.C7.o2.np	Method	AAT/NAP
Start	16662	End	17110
GI	1922242	Score	259
Exons	16662..16743, 16840..17110		
GI Descrip.	(Y10084) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o1.gp	Method	AAT/GAP
Start	1	End	661
GI	uC-osflcyp132g04a1	Score	199
Exons	1..26, 415..462, 579..661		
GI Descrip.	'2505877/emb|CAA73306| 7.0e-36 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o1.gs	Method	GENSCAN
Start	415	End	2077
GI	none	Score	.92
Exons	415..462, 579..1367, 1782..1912, 2035..2077		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o1.np	Method	AAT/NAP
Start	415	End	10443
GI	2505877	Score	1534
Exons	415..462, 579..1367, 1782..1912, 2035..2200, 3220..3765, 10384..10443		
GI Descrip.	(Y12776) dehydrogenase [Arabidopsis thaliana]		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o2.gs	Method	GENSCAN
Start	3187	End	9152
GI	none	Score	.4
Exons	3187..3894, 3995..4088, 4685..4713, 5785..5990, 7071..7183, 8782..9152		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o3.gp	Method	AAT/GAP
Start	4611	End	4911
GI	1944311	Score	574

Exons	4611..4911		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94283	Strand	-
Start	1	End	10443
Name	OJ991108_12.0404.C7.o4.gp	Method	AAT/GAP
Start	5141	End	6582
GI	64797_1.R1084	Score	847
Exons	5141..5214, 5356..5586, 5785..5949, 6553..6582		
GI Descrip.	'2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	682	End	911
GI	none	Score	264
Exons	682..900, 684..911		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o2.ts	Method	TBLASTX:Soybean
Start	858	End	1373
GI	none	Score	57
Exons	858..905, 859..900, 936..1058, 1242..1373, 1242..1367		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o2.tm	Method	TBLASTX:Maize
Start	1053	End	2099
GI	none	Score	74
Exons	1053..1178, 1057..1173, 1181..1360, 1216..1371, 1228..1371, 1242..1373, 1776..1913, 1776..1913, 1777..1914, 2033..2098, 2034..2099		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o1.tc	Method	TBLASTX:Cress
Start	1776	End	3510
GI	none	Score	124
Exons	1776..1913, 1779..1901, 1780..1914, 2023..2151, 2033..2170, 2034..2171, 2034..2171, 3209..3460, 3232..3408, 3395..3484, 3427..3510, 3451..3501		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o3.tc	Method	TBLASTX:Cress
Start	3544	End	3765
GI	none	Score	151
Exons	3544..3597, 3598..3765		
Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7

Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o4.tm	Method	TBLASTX:Maize
Start	5779	End	8744
GI	none	Score	79
Exons	5779..5835, 5782..5841, 5854..5970, 5861..5944, 6548..6601, 6553..6606, 6554..6613, 7069..7200, 7069..7200, 7452..7532, 7456..7533, 7849..7908, 7853..7909, 8694..8744		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94284	Strand	-
Start	16019	End	16510
Name	OJ991108_12.0404.C7.o5.gs	Method	GENSCAN
Start	16019	End	16510
GI	none	Score	.9
Exons	16019..16213, 16367..16510		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94285	Strand	
Start	16662	End	16966
Name	OJ991108_12.0404.C7.o1.ts	Method	TBLASTX:Soybean
Start	16662	End	16931
GI	none	Score	108
Exons	16662..16745, 16663..16722, 16667..16747, 16796..16930, 16824..16931		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94285	Strand	
Start	16662	End	16966
Name	OJ991108_12.0404.C7.o2.tc	Method	TBLASTX:Cress
Start	16662	End	16931
GI	none	Score	99
Exons	16662..16745, 16667..16747, 16824..16931, 16838..16924, 16839..16931		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94285	Strand	
Start	16662	End	16966
Name	OJ991108_12.0404.C7.o3.tm	Method	TBLASTX:Maize
Start	16663	End	16966
GI	none	Score	101
Exons	16663..16743, 16665..16757, 16667..16747, 16824..16961, 16838..16957, 16840..16965, 16871..16966		

Seq. No.	44696	Seq. ID	OJ991108_12.0404.C7
Gene No.	94285	Strand	
Start	16662	End	16966
Name	OJ991108_12.0404.C7.o1.tw	Method	TBLASTX:Wheat
Start	16665	End	16961
GI	none	Score	111
Exons	16665..16745, 16666..16743, 16667..16747, 16824..16883, 16840..16881, 16883..16930, 16884..16931, 16885..16932, 16886..16936, 16929..16961		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94286	Strand	-
Start	20	End	5839

Name	OJ991108_12.0404.C8.o1.gs	Method	GENSCAN
Start	20	End	5839
GI	none	Score	.81
Exons	20..145, 918..975, 2081..2157, 2296..2370, 2661..2777, 3015..3125, 3239..3361, 3514..3603, 3690..3815, 4357..4464, 4653..4724, 4836..4946, 5627..5839		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94286	Strand	-
Start	20	End	5839
Name	OJ991108_12.0404.C8.o1.gp	Method	AAT/GAP
Start	1642	End	1817
GI	2317413	Score	317
Exons	1642..1817		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94286	Strand	-
Start	20	End	5839
Name	OJ991108_12.0404.C8.o2.gp	Method	AAT/GAP
Start	1884	End	2530
GI	2317412	Score	749
Exons	1884..2157, 2296..2370, 2469..2530		
GI Descrip.	2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94286	Strand	-
Start	20	End	5839
Name	OJ991108_12.0404.C8.o1.np	Method	AAT/NAP
Start	2083	End	5818
GI	6715641	Score	1341
Exons	2083..2157, 2284..2370, 2469..2525, 2661..2774, 3015..3125, 3239..3361, 3514..3605, 3686..3815, 3897..3950, 4185..4265, 4357..4464, 4653..4724, 4836..4898, 5627..5818		
GI Descrip.	(AC007323) T25K16.13 [Arabidopsis thaliana]		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	1996	End	5899
GI	none	Score	36
Exons	1996..2016, 2076..2156, 2077..2157, 2098..2160, 2284..2373, 2295..2402, 2296..2376, 2297..2398, 2457..2528, 2461..2526, 2658..2777, 2662..2784, 2665..2778, 2946..3059, 3013..3060, 3016..3060, 4183..4266, 4185..4271, 4357..4464, 4357..4464, 4648..4725, 4650..4727, 4830..4901, 4834..4899, 4834..4902, 5613..5789, 5618..5788, 5849..5899		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	2297	End	2778
GI	none	Score	97
Exons	2297..2371, 2299..2376, 2457..2528, 2461..2526, 2658..2777, 2662..2778		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	2658	End	3344
GI	none	Score	48
Exons	2658..2693, 2658..2696, 2666..2773, 2674..2784, 2688..2777, 2946..3128, 3013..3144, 3016..3126, 3236..3334, 3237..3344		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	3021	End	5786
GI	none	Score	74
Exons	3021..3128, 3022..3102, 3239..3361, 3514..3624, 3684..3821, 3700..3774, 3888..3950, 3895..3951, 4183..4266, 4185..4271, 4357..4464, 4358..4426, 4648..4725, 4650..4727, 4651..4725, 4830..4901, 4834..4899, 4834..4902, 5618..5773, 5628..5786		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	3061	End	3942
GI	none	Score	162
Exons	3061..3159, 3233..3361, 3236..3358, 3237..3362, 3237..3362, 3509..3649, 3514..3624, 3687..3824, 3690..3824, 3691..3828, 3692..3829, 3888..3938, 3894..3941, 3898..3942		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	3509	End	4396
GI	none	Score	69
Exons	3509..3634, 3514..3624, 3687..3821, 3703..3777, 3891..3968, 3895..3969, 4197..4271, 4204..4272, 4340..4396, 4357..4395		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o2.tc	Method	TBLASTX:Cress
Start	4656	End	5783
GI	none	Score	66
Exons	4656..4727, 4657..4725, 4830..4901, 4834..4896, 5618..5776, 5625..5783		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	5652	End	5786
GI	none	Score	156
Exons	5652..5786, 5654..5785		

Seq. No.	44697	Seq. ID	OJ991108_12.0404.C8
Gene No.	94287	Strand	-
Start	6596	End	7180
Name	OJ991108_12.0404.C8.o2.gs	Method	GENSCAN
Start	6596	End	7180
GI	none	Score	.58
Exons	6596..6784, 6911..7180		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94288	Strand	-
Start	45	End	1640
Name	OJ991108_12.0404.C9.o1.gs	Method	GENSCAN
Start	45	End	1640
GI	none	Score	.42
Exons	45..424, 736..928, 1454..1640		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94289	Strand	-
Start	3294	End	5796
Name	OJ991108_12.0404.C9.o2.gs	Method	GENSCAN
Start	3294	End	5796
GI	none	Score	.75
Exons	3294..3404, 5061..5231, 5707..5796		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o2.ts	Method	TBLASTX:Soybean
Start	4152	End	5239
GI	none	Score	151
Exons	4152..4238, 4177..4263, 5065..5214, 5070..5216, 5071..5223, 5114..5239		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o2.tm	Method	TBLASTX:Maize
Start	4185	End	5224
GI	none	Score	62
Exons	4185..4238, 4192..4236, 5061..5213, 5063..5224, 5068..5223		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o3.gs	Method	GENSCAN
Start	8029	End	11632
GI	none	Score	.78
Exons	8029..8703, 9864..10135, 10233..10357, 11529..11632		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o1.np	Method	AAT/NAP
Start	8047	End	10398
GI	7486036	Score	746
Exons	8047..8703, 9864..10135, 10233..10398		
GI Descrip.	hypothetical protein F23E13.50 - Arabidopsis thaliana		

gi|2961375|emb|CAA18122.1| (AL022141) NAM like protein [Arabidopsis thaliana] gi|7270568|emb|CAB81525.1| (AL161588) NAM like protein [Arabidopsis thaliana]

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o1.tm	Method	TBLASTX:Maize
Start	9865	End	10389
GI	none	Score	161
Exons	9865..9984, 9873..10106, 9874..10101, 10216..10389		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o1.tw	Method	TBLASTX:Wheat
Start	9879	End	10124
GI	none	Score	142
Exons	9879..10124, 9898..10101		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o1.ts	Method	TBLASTX:Soybean
Start	9889	End	10381
GI	none	Score	194
Exons	9889..10104, 9891..10109, 10225..10374, 10298..10381		

Seq. No.	44698	Seq. ID	OJ991108_12.0404.C9
Gene No.	94290	Strand	-
Start	8029	End	11632
Name	OJ991108_12.0404.C9.o1.tc	Method	TBLASTX:Cress
Start	9903	End	10384
GI	none	Score	64
Exons	9903..9974, 9903..9977, 9904..9975, 9993..10139, 10000..10125, 10234..10380, 10238..10384		

Seq. No.	44699	Seq. ID	OJ991108_12.0404.C11
Gene No.	94291	Strand	+
Start	550	End	3325
Name	OJ991108_12.0404.C11.o1.gs	Method	GENSCAN
Start	550	End	3325
GI	none	Score	.59
Exons	550..679, 1211..1307, 2464..2541, 3021..3051, 3308..3325		

Seq. No.	44699	Seq. ID	OJ991108_12.0404.C11
Gene No.	94292	Strand	+
Start	4205	End	13811
Name	OJ991108_12.0404.C11.o2.gs	Method	GENSCAN
Start	4205	End	13770
GI	none	Score	.49
Exons	4205..4275, 4336..4450, 4629..4670, 5133..5260, 6137..6235, 8746..8875, 9002..9103, 12141..12317, 12611..13542, 13695..13770		

Seq. No.	44699	Seq. ID	OJ991108_12.0404.C11
Gene No.	94292	Strand	+
Start	4205	End	13811

Name	OJ991108_12.0404.C11.o1.np	Method	AAT/NAP
Start	11430	End	13811
GI	7487840	Score	286
Exons	11430..11472, 12271..12407, 13053..13543, 13678..13811		
GI Descrip.	hypothetical protein T9A14.180 - Arabidopsis thaliana gi|4490342|emb|CAB38624.1| (AL035656) putative protein [Arabidopsis thaliana] gi|7270873|emb|CAB80553.1| (AL161594) putative protein [Arabidopsis thaliana]		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94293	Strand	+
Start	1	End	1526
Name	OJ991108_12.0404.C12.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	7487840	Score	139
Exons	1..211, 1043..1260		
GI Descrip.	hypothetical protein T9A14.180 - Arabidopsis thaliana gi|4490342|emb|CAB38624.1| (AL035656) putative protein [Arabidopsis thaliana] gi|7270873|emb|CAB80553.1| (AL161594) putative protein [Arabidopsis thaliana]		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94293	Strand	+
Start	1	End	1526
Name	OJ991108_12.0404.C12.o1.gs	Method	GENSCAN
Start	127	End	1263
GI	none	Score	.99
Exons	127..211, 1043..1263		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94293	Strand	+
Start	1	End	1526
Name	OJ991108_12.0404.C12.o1.gp	Method	AAT/GAP
Start	1027	End	1526
GI	57972_1.R1084	Score	941
Exons	1027..1526		
GI Descrip.	'2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94294	Strand	-
Start	1774	End	4532
Name	OJ991108_12.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	1720	End	2388
GI	none	Score	42
Exons	1720..1845, 1780..1887, 1859..1888, 1886..1948, 1888..1953, 1932..1997, 1945..2022, 1945..2025, 1946..2038, 2074..2271, 2074..2271, 2078..2323, 2103..2321, 2296..2388		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94294	Strand	-
Start	1774	End	4532
Name	OJ991108_12.0404.C12.o2.gs	Method	GENSCAN
Start	1774	End	3936
GI	none	Score	.98
Exons	1774..2908, 3010..3131, 3258..3317, 3427..3525, 3600..3650, 3735..3936		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94294	Strand	-
Start	1774	End	4532
Name	OJ991108_12.0404.C12.o2.np	Method	AAT/NAP
Start	1783	End	2898
GI	2583109	Score	308
Exons	1783..1871, 1899..2203, 2285..2898		
GI Descrip.	(AC002387) unknown protein [Arabidopsis thaliana]		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94294	Strand	-
Start	1774	End	4532
Name	OJ991108_12.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	2414	End	4532
GI	none	Score	95
Exons	2414..2593, 2422..2637, 2425..2691, 2608..2718, 2608..2718, 2639..2719, 2640..2723, 2736..2909, 2737..2910, 2758..2910, 2985..3134, 3010..3132, 3420..3524, 3427..3525, 3427..3525, 3428..3529, 3432..3542, 3596..3655, 3597..3659, 3598..3654, 3599..3694, 3733..3942, 3734..3943, 3735..3998, 4475..4531, 4476..4532		

Seq. No.	44700	Seq. ID	OJ991108_12.0404.C12
Gene No.	94294	Strand	-
Start	1774	End	4532
Name	OJ991108_12.0404.C12.o1.tc	Method	TBLASTX:Cress
Start	2758	End	2910
GI	none	Score	130
Exons	2758..2910, 2765..2908		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94295	Strand	+
Start	4473	End	8823
Name	OJ991108_12.0404.C13.o2.np	Method	AAT/NAP
Start	4362	End	8410
GI	6967099	Score	281
Exons	4362..4399, 6370..6644, 6672..7214, 8381..8410		
GI Descrip.	(AL132953) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94295	Strand	+
Start	4473	End	8823
Name	OJ991108_12.0404.C13.o3.gs	Method	GENSCAN
Start	4473	End	8823
GI	none	Score	.73
Exons	4473..5653, 5742..7152, 7468..7486, 7857..8114, 8154..8392, 8788..8823		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94295	Strand	+
Start	4473	End	8823
Name	OJ991108_12.0404.C13.o1.np	Method	AAT/NAP
Start	4491	End	8137
GI	5734642	Score	892
Exons	4491..7297, 8040..8137		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a		

region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94296	Strand	-
Start	24	End	1313
Name	OJ991108_12.0404.C13.o1.gs	Method	GENSCAN
Start	24	End	1313
GI	none	Score	.72
Exons	24..178, 229..312, 554..665, 1086..1313		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94297	Strand	-
Start	3219	End	3989
Name	OJ991108_12.0404.C13.o2.gs	Method	GENSCAN
Start	3219	End	3989
GI	none	Score	.61
Exons	3219..3368, 3641..3829, 3864..3989		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o4.tm	Method	TBLASTX:Maize
Start	23	End	313
GI	none	Score	121
Exons	23..130, 24..116, 25..117, 223..309, 224..313, 230..313		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o3.ts	Method	TBLASTX:Soybean
Start	4686	End	6044
GI	none	Score	93
Exons	4686..4838, 4701..4835, 4845..4973, 4845..4973, 4854..4973, 4992..5522, 5001..5327, 5001..5195, 5043..5111, 5418..5522, 5529..5678, 5529..5678, 5529..5720, 5535..5669, 5743..5994, 5743..5997, 5743..5925, 5746..5994, 5899..5994, 5928..6044		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o1.tc	Method	TBLASTX:Cress
Start	4800	End	7212
GI	none	Score	79
Exons	4800..4979, 4836..4979, 4842..5006, 4842..4973, 4845..4979, 4845..4973, 4845..4964, 4854..4973, 4854..4973, 4950..5228, 4974..5327, 4989..5327, 4992..5261, 4992..5327, 5013..5522, 5016..5522, 5082..5471, 5190..5444, 5262..5678, 5355..5522, 5529..5621, 5529..5624, 5535..5630, 5743..6033, 5761..5994, 5893..5997, 6376..6645, 6681..6851, 6682..6852, 6874..6921, 6897..6920, 6928..7038, 6966..7037, 7093..7212		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13

Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o1.tm	Method	TBLASTX:Maize
Start	4845	End	6717
GI	none	Score	86
Exons	4845..4973, 4854..4964, 5001..5117, 5001..5327, 5064..5399, 5163..5474, 5292..5522, 5312..5473, 5364..5522, 5424..5522, 5529..5678, 5565..5654, 5568..5669, 5570..5605, 5585..5668, 5742..6080, 5743..6036, 5743..6081, 6096..6194, 6097..6192, 6169..6204, 6247..6279, 6260..6562, 6275..6544, 6285..6563, 6286..6564, 6539..6673, 6540..6692, 6541..6693, 6682..6717, 6684..6716		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o1.ts	Method	TBLASTX:Soybean
Start	6288	End	6813
GI	none	Score	227
Exons	6288..6605, 6288..6641, 6289..6642, 6550..6675, 6663..6803, 6682..6813, 6688..6810		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o1.tw	Method	TBLASTX:Wheat
Start	6493	End	6915
GI	none	Score	106
Exons	6493..6651, 6661..6837, 6880..6915		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o2.tm	Method	TBLASTX:Maize
Start	6720	End	7250
GI	none	Score	761
Exons	6720..7250, 6721..7248		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o2.ts	Method	TBLASTX:Soybean
Start	6876	End	7227
GI	none	Score	151
Exons	6876..6920, 6877..7011, 6916..7011, 7017..7226, 7018..7227		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o4.gs	Method	GENSCAN
Start	9870	End	12811
GI	none	Score	.9
Exons	9870..9875, 11136..11231, 11652..11840, 12101..12196, 12752..12811		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-

Start	9870	End	12869
Name	OJ991108_12.0404.C13.o1.gp	Method	AAT/GAP
Start	10260	End	10545
GI	none	Score	568
Exons	10260..10545		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o3.np	Method	AAT/NAP
Start	10767	End	12869
GI	4191789	Score	578
Exons	10767..10846, 11141..11231, 11315..11359, 11479..11556, 11652..11840, 12089..12196, 12752..12869		
GI Descrip.	(AC005917) putative potassium/proton antiporter [Arabidopsis thaliana]		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o2.tc	Method	TBLASTX:Cress
Start	11137	End	11557
GI	none	Score	78
Exons	11137..11232, 11139..11231, 11313..11360, 11326..11361, 11462..11557, 11482..11556		

Seq. No.	44701	Seq. ID	OJ991108_12.0404.C13
Gene No.	94298	Strand	-
Start	9870	End	12869
Name	OJ991108_12.0404.C13.o3.tm	Method	TBLASTX:Maize
Start	11172	End	11578
GI	none	Score	89
Exons	11172..11228, 11172..11231, 11183..11236, 11303..11356, 11311..11355, 11313..11360, 11313..11360, 11462..11578, 11479..11550		

Seq. No.	44702	Seq. ID	OJ991108_12.0404.C14
Gene No.	94299	Strand	-
Start	1	End	782
Name	OJ991108_12.0404.C14.o1.np	Method	AAT/NAP
Start	1	End	782
GI	4191789	Score	110
Exons	1..316, 440..528, 704..782		
GI Descrip.	(AC005917) putative potassium/proton antiporter [Arabidopsis thaliana]		

Seq. No.	44702	Seq. ID	OJ991108_12.0404.C14
Gene No.	94299	Strand	-
Start	1	End	782
Name	OJ991108_12.0404.C14.o1.tm	Method	TBLASTX:Maize
Start	219	End	558
GI	none	Score	76
Exons	219..254, 220..333, 227..337, 228..314, 229..315, 437..535, 438..536, 439..558, 440..529		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94300	Strand	+

Start	1418	End	1811
Name	OJ991108_12.0404.C16.o1.gs	Method	GENSCAN
Start	1418	End	1811
GI	none	Score	.89
Exons	1418..1585, 1678..1811		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94301	Strand	+
Start	2886	End	4516
Name	OJ991108_12.0404.C16.o1.gp	Method	AAT/GAP
Start	2778	End	3105
GI	none	Score	595
Exons	2778..3105		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94301	Strand	+
Start	2886	End	4516
Name	OJ991108_12.0404.C16.o2.gs	Method	GENSCAN
Start	2886	End	4516
GI	none	Score	.92
Exons	2886..4036, 4297..4516		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94301	Strand	+
Start	2886	End	4516
Name	OJ991108_12.0404.C16.o1.np	Method	AAT/NAP
Start	2889	End	4132
GI	7329700	Score	809
Exons	2889..4132		
GI Descrip.	(AL162295) endosperm specific protein-like [Arabidopsis thaliana]		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94301	Strand	+
Start	2886	End	4516
Name	OJ991108_12.0404.C16.o2.gp	Method	AAT/GAP
Start	3072	End	3571
GI	LIB3431-030-P1-K2-E7	Score	926
Exons	3072..3571		
GI Descrip.	'2583108 4.0e-33 (AC002387) putative surface protein [Arabidopsis thaliana]'		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94302	Strand	-
Start	3852	End	4314
Name	OJ991108_12.0404.C16.o3.gp	Method	AAT/GAP
Start	3852	End	4314
GI	none	Score	918
Exons	3852..4314		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o7.tc	Method	TBLASTX:Cress
Start	2960	End	3239
GI	none	Score	141
Exons	2960..3100, 2961..3107, 3129..3239, 3138..3185		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o2.ts	Method	TBLASTX:Soybean
Start	2967	End	3878
GI	none	Score	116
Exons	2967..3110, 3087..3410, 3110..3190, 3252..3323, 3435..3578, 3594..3878		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o1.tc	Method	TBLASTX:Cress
Start	3246	End	3881
GI	none	Score	146
Exons	3246..3440, 3438..3881, 3452..3880		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o4.tm	Method	TBLASTX:Maize
Start	3312	End	3685
GI	none	Score	119
Exons	3312..3449, 3314..3352, 3438..3524, 3468..3647, 3509..3646, 3638..3685, 3648..3683		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o4.gp	Method	AAT/GAP
Start	5709	End	6696
GI	5324_1.R1084	Score	1419
Exons	5709..6217, 6300..6485, 6623..6696		
GI Descrip.	'4836907/gb|AAD30609.1|AC007153_1 1.0e-48 (AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o2.tc	Method	TBLASTX:Cress
Start	5954	End	6431
GI	none	Score	175
Exons	5954..6217, 6033..6218, 6270..6431, 6297..6368		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o1.tm	Method	TBLASTX:Maize
Start	5963	End	7358
GI	none	Score	271
Exons	5963..5998, 5972..6217, 5994..6221, 6011..6223, 6256..6492, 6297..6563, 6304..6486, 6305..6487, 6622..6678, 6623..6673, 6625..6675, 6784..7356, 6796..7356, 6798..7358, 6798..7358		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16

Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o3.gs	Method	GENSCAN
Start	5963	End	11208
GI	none	Score	.81
Exons	5963..6249, 6623..6673, 6809..7084, 7262..7451, 7798..8027, 8212..8324, 8847..8962, 9067..9186, 10050..10197, 10775..10961, 11151..11208		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o2.np	Method	AAT/NAP
Start	5972	End	11352
GI	4836907	Score	2678
Exons	5972..6217, 6300..6485, 6623..6684, 6806..7595, 7798..8027, 8266..8324, 8644..8727, 8847..8962, 9067..9186, 10050..10197, 10775..10961, 11151..11352		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o3.ts	Method	TBLASTX:Soybean
Start	5975	End	6930
GI	none	Score	62
Exons	5975..6226, 5995..6102, 6027..6218, 6297..6500, 6304..6486, 6811..6924, 6819..6929, 6820..6930		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o2.tw	Method	TBLASTX:Wheat
Start	5990	End	6467
GI	none	Score	124
Exons	5990..6226, 6023..6223, 6027..6227, 6297..6467, 6310..6465		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o6.tc	Method	TBLASTX:Cress
Start	6862	End	7190
GI	none	Score	44
Exons	6862..6930, 6912..7157, 6919..7113, 6933..7190, 7022..7171		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o4.ts	Method	TBLASTX:Soybean
Start	6933	End	9190
GI	none	Score	85
Exons	6933..6995, 8210..8326, 8658..8729, 8662..8730, 8667..8732, 8831..8962, 8847..8900, 8849..8980, 9067..9189, 9071..9190		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-

Start	5963	End	11352
Name	OJ991108_12.0404.C16.o1.ts	Method	TBLASTX:Soybean
Start	6996	End	8020
GI	none	Score	453
Exons	6996..7592, 7015..7515, 7762..7887, 7780..8019, 7799..8020		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o1.tw	Method	TBLASTX:Wheat
Start	7177	End	7502
GI	none	Score	290
Exons	7177..7497, 7185..7502		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o3.tc	Method	TBLASTX:Cress
Start	7297	End	7618
GI	none	Score	157
Exons	7297..7497, 7297..7485, 7299..7592, 7525..7617, 7526..7618		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o5.tm	Method	TBLASTX:Maize
Start	7359	End	7517
GI	none	Score	129
Exons	7359..7517, 7366..7497		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o3.tw	Method	TBLASTX:Wheat
Start	7521	End	7932
GI	none	Score	128
Exons	7521..7592, 7769..7918, 7780..7932		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o2.tm	Method	TBLASTX:Maize
Start	7522	End	8284
GI	none	Score	107
Exons	7522..7599, 7523..7600, 7524..7595, 7766..8029, 7780..8028, 7799..8029, 7959..8033, 8210..8281, 8210..8284		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o4.tc	Method	TBLASTX:Cress
Start	7766	End	8269
GI	none	Score	131
Exons	7766..7966, 7780..7968, 7960..8028, 7964..8029, 8210..8269		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-

Start	5963	End	11352
Name	OJ991108_12.0404.C16.o3.tm	Method	TBLASTX:Maize
Start	8285	End	11229
GI	none	Score	71
Exons	8285..8326, 8658..8729, 8668..8730, 8831..8962, 8849..8980, 8914..8964, 9067..9183, 9071..9187, 9071..9187, 10780..10962, 11152..11229		

Seq. No.	44703	Seq. ID	OJ991108_12.0404.C16
Gene No.	94303	Strand	-
Start	5963	End	11352
Name	OJ991108_12.0404.C16.o5.tc	Method	TBLASTX:Cress
Start	8849	End	9177
GI	none	Score	50
Exons	8849..8899, 8850..8900, 8900..8965, 8900..8962, 9059..9175, 9061..9177		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o1.np	Method	AAT/NAP
Start	1	End	8969
GI	4836907	Score	1813
Exons	1..183, 309..464, 612..663, 1175..1283, 1746..1869, 1992..2152, 2238..2322, 2408..2505, 2603..2737, 3704..3790, 3951..4000, 4068..4152, 6195..6553, 6796..6910, 7068..7181, 7262..7358, 7422..7498, 7587..7723, 8936..8969		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o1.gp	Method	AAT/GAP
Start	72	End	162
GI	LIB3474-005-P1-K1-C3	Score	135
Exons	72..162		
GI Descrip.	'4588012/gb|AAD25952.1|AF085717_1 3.0e-17 (AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]'		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o2.ts	Method	TBLASTX:Soybean
Start	72	End	461
GI	none	Score	79
Exons	72..185, 73..177, 73..234, 308..460, 309..461		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o1.gs	Method	GENSCAN
Start	74	End	7724
GI	none	Score	.77
Exons	74..183, 309..460, 575..747, 1395..1413, 1746..1869, 1992..2152, 2238..2322, 2408..2505, 3704..3790, 3951..4000, 4068..4149, 6219..6337, 6796..6910, 7068..7181, 7268..7358, 7422..7498,		

7587..7724

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o3.tm	Method	TBLASTX:Maize
Start	345	End	1244
GI	none	Score	112
Exons	345..467, 345..461, 347..463, 572..625, 576..626, 623..721, 1194..1244		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o1.tm	Method	TBLASTX:Maize
Start	1831	End	3789
GI	none	Score	53
Exons	1831..1872, 1836..1871, 1982..2152, 1991..2155, 2232..2330, 2233..2322, 2235..2327, 2407..2538, 2408..2500, 2603..2740, 2607..2750, 3693..3779, 3701..3781, 3705..3779, 3706..3789		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o2.tm	Method	TBLASTX:Maize
Start	6282	End	6926
GI	none	Score	117
Exons	6282..6536, 6283..6531, 6301..6555, 6327..6545, 6779..6913, 6782..6895, 6816..6926		

Seq. No.	44704	Seq. ID	OJ991108_12.0404.C17
Gene No.	94304	Strand	-
Start	1	End	8969
Name	OJ991108_12.0404.C17.o1.ts	Method	TBLASTX:Soybean
Start	7301	End	7689
GI	none	Score	76
Exons	7301..7357, 7302..7367, 7303..7365, 7419..7499, 7420..7506, 7421..7501, 7617..7688, 7618..7689		

Seq. No.	44705	Seq. ID	OJ991108_12.0404.C18
Gene No.	94305	Strand	-
Start	1	End	3140
Name	OJ991108_12.0404.C18.o1.np	Method	AAT/NAP
Start	1	End	3140
GI	4836907	Score	708
Exons	1..30, 793..1030, 1187..1279, 1405..1521, 1603..1713, 1846..1939, 2010..2134, 2559..2659, 2964..3140		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	44705	Seq. ID	OJ991108_12.0404.C18
Gene No.	94305	Strand	-
Start	1	End	3140
Name	OJ991108_12.0404.C18.o1.gs	Method	GENSCAN
Start	935	End	2659
GI	none	Score	.68
Exons	935..1030, 1453..1521, 1846..1939, 2010..2134, 2559..2659		

Seq. No.	44705	Seq. ID	OJ991108_12.0404.C18
Gene No.	94305	Strand	-
Start	1	End	3140
Name	OJ991108_12.0404.C18.o1.tc	Method	TBLASTX:Cress
Start	1241	End	1698
GI	none	Score	37
Exons	1241..1288, 1242..1277, 1373..1432, 1382..1528, 1405..1521, 1588..1698, 1601..1696		

Seq. No.	44705	Seq. ID	OJ991108_12.0404.C18
Gene No.	94305	Strand	-
Start	1	End	3140
Name	OJ991108_12.0404.C18.o1.ts	Method	TBLASTX:Soybean
Start	1241	End	2093
GI	none	Score	36
Exons	1241..1294, 1242..1280, 1402..1524, 1405..1524, 1600..1713, 1843..1938, 1877..1933, 2018..2092, 2037..2093		

Seq. No.	44706	Seq. ID	OJ991108_12.0404.C19
Gene No.	94306	Strand	+
Start	1	End	848
Name	OJ991108_12.0404.C19.o1.np	Method	AAT/NAP
Start	1	End	848
GI	4191789	Score	201
Exons	1..118, 522..593, 708..848		
GI Descrip.	(AC005917) putative potassium/proton antiporter [Arabidopsis thaliana]		

Seq. No.	44706	Seq. ID	OJ991108_12.0404.C19
Gene No.	94306	Strand	+
Start	1	End	848
Name	OJ991108_12.0404.C19.o1.gs	Method	GENSCAN
Start	44	End	791
GI	none	Score	.59
Exons	44..118, 522..593, 708..791		

Seq. No.	44707	Seq. ID	OJ991108_11.0316.C3
Gene No.	94307	Strand	+
Start	1866	End	2036
Name	OJ991108_11.0316.C3.o1.np	Method	AAT/NAP
Start	1866	End	2036
GI	7228442	Score	192
Exons	1866..2036		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	44708	Seq. ID	OJ991108_11.0316.C4
Gene No.	94308	Strand	+
Start	230	End	399
Name	OJ991108_11.0316.C4.o1.gs	Method	GENSCAN
Start	230	End	399
GI	none	Score	.61
Exons	230..269, 293..399		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5

Gene No.	94309	Strand	+
Start	342	End	14299
Name	OJ991108_11.0316.C5.o1.gs	Method	GENSCAN
Start	342	End	14299
GI	none	Score	.55
Exons	342..510, 2556..2709, 2820..2942, 3264..3362, 7580..8555, 9336..9527, 9660..9732, 9822..10402, 11062..11757, 11837..11923, 12866..12976, 13275..13464, 14095..14166, 14172..14299		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94309	Strand	+
Start	342	End	14299
Name	OJ991108_11.0316.C5.o1.gp	Method	AAT/GAP
Start	7542	End	7881
GI	none	Score	660
Exons	7542..7881		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94309	Strand	+
Start	342	End	14299
Name	OJ991108_11.0316.C5.o2.np	Method	AAT/NAP
Start	7932	End	13466
GI	7487376	Score	1384
Exons	7932..8555, 9336..9527, 9660..10236, 10272..10402, 11062..11176, 11204..11405, 11433..11923, 13275..13466		
GI Descrip.	hypothetical protein T24A18.10 - Arabidopsis thaliana gi|4490702|emb|CAB38836.1| (AL035680) hypothetical protein [Arabidopsis thaliana] gi|7269559|emb|CAB79561.1| (AL161566) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94309	Strand	+
Start	342	End	14299
Name	OJ991108_11.0316.C5.o2.gp	Method	AAT/GAP
Start	11671	End	13723
GI	87289_1.R1084	Score	1279
Exons	11671..11923, 13275..13723		
GI Descrip.	'4490702/emb|CAB38836.1| 2.0e-31 (AL035680) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94310	Strand	-
Start	7505	End	8195
Name	OJ991108_11.0316.C5.o1.np	Method	AAT/NAP
Start	7505	End	8195
GI	6498458	Score	94
Exons	7505..7834, 8108..8195		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o4.ts	Method	TBLASTX:Soybean
Start	7917	End	8189
GI	none	Score	120
Exons	7917..8036, 7928..8035, 8040..8189		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o3.tm	Method	TBLASTX:Maize
Start	8409	End	9916
GI	none	Score	148
Exons	8409..8561, 8415..8558, 8477..8560, 9326..9478, 9333..9530, 9333..9530, 9335..9532, 9643..9708, 9657..9728, 9658..9708, 9659..9724, 9813..9869, 9815..9868, 9816..9878, 9866..9916, 9883..9915		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	9917	End	11283
GI	none	Score	208
Exons	9917..10084, 9921..10097, 9922..10131, 10064..10402, 10071..10406, 10082..10402, 10108..10404, 11051..11224, 11058..11222, 11068..11223, 11221..11283, 11228..11281		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	10309	End	11568
GI	none	Score	112
Exons	10309..10404, 10310..10402, 10320..10406, 11056..11142, 11058..11168, 11060..11182, 11068..11277, 11190..11339, 11194..11352, 11389..11568, 11397..11564, 11458..11568		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o6.tm	Method	TBLASTX:Maize
Start	11283	End	11499
GI	none	Score	74
Exons	11283..11333, 11284..11343, 11287..11334, 11296..11499, 11343..11498		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o2.tm	Method	TBLASTX:Maize
Start	11500	End	11878
GI	none	Score	528
Exons	11500..11847, 11504..11833, 11505..11846, 11546..11875, 11825..11878, 11833..11877		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o5.tm	Method	TBLASTX:Maize
Start	11879	End	13640
GI	none	Score	75
Exons	11879..11926, 13253..13366, 13270..13470, 13271..13471, 13272..13475, 13273..13389, 13287..13475, 13574..13603,		

13577..13603, 13578..13604, 13605..13640, 13607..13636

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o3.np	Method	AAT/NAP
Start	14358	End	15917
GI	4512670	Score	615
Exons	14358..14863, 14936..15917		
GI Descrip.	(AC006931) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o1.tc	Method	TBLASTX:Cress
Start	14454	End	15734
GI	none	Score	81
Exons	14454..14543, 14458..14568, 14607..14699, 14665..14691, 14700..14864, 14725..14865, 15594..15734		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o3.ts	Method	TBLASTX:Soybean
Start	14649	End	14865
GI	none	Score	43
Exons	14649..14699, 14664..14717, 14709..14864, 14725..14865		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o7.tm	Method	TBLASTX:Maize
Start	14673	End	15005
GI	none	Score	91
Exons	14673..14699, 14691..14795, 14700..14795, 14793..14864, 14796..14864, 14809..14865, 14928..14987, 14937..15005, 14941..14994		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o2.ts	Method	TBLASTX:Soybean
Start	15243	End	15593
GI	none	Score	340
Exons	15243..15593		

Seq. No.	44709	Seq. ID	OJ991108_11.0316.C5
Gene No.	94311	Strand	-
Start	14358	End	15917
Name	OJ991108_11.0316.C5.o4.tm	Method	TBLASTX:Maize
Start	15312	End	15747
GI	none	Score	78
Exons	15312..15548, 15349..15483, 15546..15734, 15571..15747		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94312	Strand	+
Start	45	End	353

Name	OJ991108_11.0316.C6.o1.gs	Method	GENSCAN
Start	45	End	353
GI	none	Score	.53
Exons	45..198, 253..353		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94313	Strand	+
Start	4679	End	6064
Name	OJ991108_11.0316.C6.o3.gs	Method	GENSCAN
Start	4679	End	6064
GI	none	Score	.66
Exons	4679..4804, 5394..5833, 5923..6064		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	1286	End	1858
GI	none	Score	106
Exons	1286..1498, 1298..1498, 1338..1499, 1499..1576, 1518..1577, 1748..1858		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o2.np	Method	AAT/NAP
Start	1292	End	3072
GI	5915851	Score	481
Exons	1292..1597, 1751..1938, 2037..2475, 2587..3072		
GI Descrip.	CYTOCHROME P450 90A1 gi|1076315|pir||S55379 cytochrome P450 - Arabidopsis thaliana gi|853719|emb|CAA60793| (X87367) CYP90 protein [Arabidopsis thaliana] gi|871988|emb|CAA60794| (X87368) CYP90 protein [Arabidopsis thaliana]		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o1.np	Method	AAT/NAP
Start	1298	End	3104
GI	4512670	Score	543
Exons	1298..1597, 1751..1938, 2037..2475, 2581..3104		
GI Descrip.	(AC006931) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o2.gs	Method	GENSCAN
Start	1409	End	3075
GI	none	Score	.75
Exons	1409..1597, 1751..1938, 2037..2475, 2581..3075		

Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	1817	End	2193
GI	none	Score	139

Exons	1817..1945, 1818..1946, 2038..2193, 2042..2191		
Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	2182	End	2739
GI	none	Score	86
Exons	2182..2460, 2240..2470, 2576..2719, 2578..2739		
Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	2402	End	2938
GI	none	Score	50
Exons	2402..2470, 2416..2460, 2578..2937, 2579..2938		
Seq. No.	44710	Seq. ID	OJ991108_11.0316.C6
Gene No.	94314	Strand	-
Start	1409	End	3104
Name	OJ991108_11.0316.C6.o3.ts	Method	TBLASTX:Soybean
Start	2824	End	3063
GI	none	Score	160
Exons	2824..3006, 2825..3022, 2830..3063		
Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94315	Strand	+
Start	5610	End	5775
Name	OJ991108_11.0316.C7.o1.gp	Method	AAT/GAP
Start	5610	End	5775
GI	uC-osflcyp154c08a1	Score	284
Exons	5610..5775		
GI Descrip.	'5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]'		
Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94316	Strand	-
Start	128	End	8753
Name	OJ991108_11.0316.C7.o1.gs	Method	GENSCAN
Start	128	End	8753
GI	none	Score	.63
Exons	128..284, 286..392, 425..514, 2800..2997, 3142..3263, 6482..6539, 7271..7409, 7414..7522, 7537..7898, 7971..8272, 8317..8473, 8497..8753		
Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o2.ts	Method	TBLASTX:Soybean
Start	7434	End	11412
GI	none	Score	102
Exons	7434..7475, 7516..7608, 7517..7609, 11113..11313, 11125..11313, 11135..11314, 11314..11412, 11333..11392		
Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-

Start	9262	End	12185
Name	OJ991108_11.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	7684	End	12137
GI	none	Score	76
Exons	7684..7779, 7772..7876, 11563..11754, 11564..11755, 11871..12137		

Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	7772	End	12008
GI	none	Score	73
Exons	7772..7876, 7976..8068, 7977..8033, 11632..11760, 11633..11761, 11853..12008, 11857..12006		

Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o3.ts	Method	TBLASTX:Soybean
Start	8308	End	8600
GI	none	Score	94
Exons	8308..8487, 8318..8500, 8496..8564, 8497..8565, 8571..8600		

Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o2.tm	Method	TBLASTX:Maize
Start	8374	End	8768
GI	none	Score	69
Exons	8374..8472, 8375..8500, 8496..8585, 8497..8568, 8600..8764, 8649..8768		

Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o2.gs	Method	GENSCAN
Start	9262	End	12017
GI	none	Score	.72
Exons	9262..9438, 11221..11412, 11566..11753, 11852..12017		

Seq. No.	44711	Seq. ID	OJ991108_11.0316.C7
Gene No.	94317	Strand	-
Start	9262	End	12185
Name	OJ991108_11.0316.C7.o1.np	Method	AAT/NAP
Start	11113	End	12185
GI	4512670	Score	438
Exons	11113..11412, 11566..11753, 11852..12185		
GI Descrip.	(AC006931) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44712	Seq. ID	OJ991108_11.0316.C8
Gene No.	94318	Strand	-
Start	1	End	382
Name	OJ991108_11.0316.C8.o1.np	Method	AAT/NAP
Start	1	End	382
GI	5915851	Score	159
Exons	1..382		
GI Descrip.	CYTOCHROME P450 90A1 gi|1076315|pir||S55379 cytochrome P450 -		

Arabidopsis thaliana gi|853719|emb|CAA60793| (X87367) CYP90 protein [Arabidopsis thaliana] gi|871988|emb|CAA60794| (X87368) CYP90 protein [Arabidopsis thaliana]

Seq. No.	44712	Seq. ID	OJ991108_11.0316.C8
Gene No.	94318	Strand	-
Start	1	End	382
Name	OJ991108_11.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	5	End	248
GI	none	Score	79
Exons	5..184, 5..247, 6..248, 75..248		

Seq. No.	44712	Seq. ID	OJ991108_11.0316.C8
Gene No.	94318	Strand	-
Start	1	End	382
Name	OJ991108_11.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	134	End	373
GI	none	Score	157
Exons	134..316, 135..332, 221..373		

Seq. No.	44713	Seq. ID	OJ991108_11.0316.C12
Gene No.	94319	Strand	+
Start	1	End	589
Name	OJ991108_11.0316.C12.o1.np	Method	AAT/NAP
Start	1	End	589
GI	7106528	Score	96
Exons	1..35, 468..589		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44713	Seq. ID	OJ991108_11.0316.C12
Gene No.	94319	Strand	+
Start	1	End	589
Name	OJ991108_11.0316.C12.o1.gs	Method	GENSCAN
Start	405	End	508
GI	none	Score	.5
Exons	405..508		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94320	Strand	+
Start	555	End	645
Name	OJ991108_11.0316.C13.o1.gs	Method	GENSCAN
Start	555	End	645
GI	none	Score	.69
Exons	555..645		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94321	Strand	-
Start	244	End	459
Name	OJ991108_11.0316.C13.o1.gp	Method	AAT/GAP
Start	244	End	459
GI	LIB3434-038-P1-K1-F1	Score	342
Exons	244..459		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13

Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o1.np	Method	AAT/NAP
Start	1826	End	9092
GI	5257279	Score	6915
Exons	1826..2058, 3523..4110, 4225..4395, 4612..7330, 7963..8198, 8547..9092		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o7.tm	Method	TBLASTX:Maize
Start	3103	End	3349
GI	none	Score	63
Exons	3103..3348, 3224..3349		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o5.tw	Method	TBLASTX:Wheat
Start	3157	End	3490
GI	none	Score	95
Exons	3157..3489, 3266..3490		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o1.tm	Method	TBLASTX:Maize
Start	3349	End	3933
GI	none	Score	260
Exons	3349..3777, 3350..3778, 3636..3782, 3637..3837, 3775..3933, 3779..3925		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o1.tw	Method	TBLASTX:Wheat
Start	3490	End	4101
GI	none	Score	309
Exons	3490..4101, 3491..4060		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o4.tm	Method	TBLASTX:Maize
Start	3985	End	4276
GI	none	Score	241
Exons	3985..4275, 3989..4276		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o2.ts	Method	TBLASTX:Soybean
Start	4078	End	4324
GI	none	Score	111

Exons	4078..4323, 4079..4324		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o1.tc	Method	TBLASTX:Cress
Start	4100	End	4416
GI	none	Score	90
Exons	4100..4240, 4132..4242, 4243..4416, 4295..4408		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o3.tw	Method	TBLASTX:Wheat
Start	4132	End	4587
GI	none	Score	281
Exons	4132..4587, 4136..4498		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o2.tw	Method	TBLASTX:Wheat
Start	4589	End	5115
GI	none	Score	325
Exons	4589..5080, 4612..5115, 4774..5106		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o2.gp	Method	AAT/GAP
Start	4779	End	6140
GI	4107139	Score	2492
Exons	4779..6140		
GI Descrip.	5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o2.tm	Method	TBLASTX:Maize
Start	4804	End	5245
GI	none	Score	229
Exons	4804..5244, 4817..5245		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o3.ts	Method	TBLASTX:Soybean
Start	4864	End	5109
GI	none	Score	97
Exons	4864..5109, 4865..5080		
Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o6.tw	Method	TBLASTX:Wheat
Start	5116	End	5353

GI	none	Score	155
Exons	5116..5352, 5132..5353		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o1.ts	Method	TBLASTX:Soybean
Start	5131	End	5526
GI	none	Score	245
Exons	5131..5490, 5132..5488, 5161..5496, 5337..5495, 5494..5526		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o5.tm	Method	TBLASTX:Maize
Start	5249	End	5412
GI	none	Score	132
Exons	5249..5407, 5251..5412, 5257..5412		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o4.tw	Method	TBLASTX:Wheat
Start	5263	End	5949
GI	none	Score	51
Exons	5263..5301, 5354..5398, 5467..5949, 5471..5614, 5500..5820, 5642..5938		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o3.tm	Method	TBLASTX:Maize
Start	5413	End	5883
GI	none	Score	402
Exons	5413..5883		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o8.tm	Method	TBLASTX:Maize
Start	5884	End	6046
GI	none	Score	134
Exons	5884..6045, 5885..6046		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o8.tw	Method	TBLASTX:Wheat
Start	6121	End	6499
GI	none	Score	84
Exons	6121..6243, 6122..6232, 6127..6279, 6277..6498, 6377..6499		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13.o6.tm	Method	TBLASTX:Maize
Start	6181	End	6504

GI	none	Score	45
Exons	6181..6243, 6181..6504, 6356..6457		

Seq. No.	44714	Seq. ID	OJ991108_11.0316.C13
Gene No.	94322	Strand	-
Start	1826	End	9092
Name	OJ991108_11.0316.C13:o7.tw	Method	TBLASTX:Wheat
Start	7051	End	7437
GI	none	Score	71
Exons	7051..7197, 7070..7270, 7222..7437, 7232..7414, 7377..7415		

Seq. No.	44715	Seq. ID	OJ991108_11.0316.C16
Gene No.	94323	Strand	+
Start	5584	End	6264
Name	OJ991108_11.0316.C16.o1.gp	Method	AAT/GAP
Start	5584	End	6264
GI	none	Score	1291
Exons	5584..6264		

Seq. No.	44715	Seq. ID	OJ991108_11.0316.C16
Gene No.	94324	Strand	-
Start	6600	End	7351
Name	OJ991108_11.0316.C16.o2.gs	Method	GENSCAN
Start	6600	End	7351
GI	none	Score	.48
Exons	6600..6724, 6876..6967, 7116..7351		

Seq. No.	44715	Seq. ID	OJ991108_11.0316.C16
Gene No.	94325	Strand	-
Start	8242	End	8407
Name	OJ991108_11.0316.C16.o1.np	Method	AAT/NAP
Start	8242	End	8407
GI	6815099	Score	90
Exons	8242..8407		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44716	Seq. ID	OJ991108_11.0316.C17
Gene No.	94326	Strand	+
Start	625	End	1113
Name	OJ991108_11.0316.C17.o1.gs	Method	GENSCAN
Start	625	End	1113
GI	none	Score	.55
Exons	625..820, 919..956, 1075..1113		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94327	Strand	+
Start	81	End	1366
Name	OJ991108_11.0316.C18.o1.gp	Method	AAT/GAP
Start	81	End	365
GI	none	Score	498
Exons	81..365		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94327	Strand	+
Start	81	End	1366
Name	OJ991108_11.0316.C18.o1.gs	Method	GENSCAN
Start	105	End	1366

GI	none	Score	1
Exons	105..365, 1109..1366		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o3.tm	Method	TBLASTX:Maize
Start	222	End	1141
GI	none	Score	230
Exons	222..365, 224..334, 1106..1141, 1107..1139, 1108..1140, 1109..1141		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o1.ts	Method	TBLASTX:Soybean
Start	270	End	1264
GI	none	Score	41
Exons	270..314, 296..331, 297..365, 1106..1198, 1108..1203, 1109..1264		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1312
GI	none	Score	299
Exons	1090..1206, 1109..1312		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o2.tm	Method	TBLASTX:Maize
Start	1142	End	1359
GI	none	Score	324
Exons	1142..1345, 1142..1198, 1144..1359		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o1.tm	Method	TBLASTX:Maize
Start	1936	End	2414
GI	none	Score	189
Exons	1936..2019, 2037..2195, 2038..2178, 2184..2393, 2220..2390, 2254..2391, 2390..2413, 2391..2414		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o2.gs	Method	GENSCAN
Start	2043	End	2372
GI	none	Score	.93
Exons	2043..2372		

Seq. No.	44717	Seq. ID	OJ991108_11.0316.C18
Gene No.	94328	Strand	-
Start	2043	End	2414
Name	OJ991108_11.0316.C18.o1.np	Method	AAT/NAP

Start	2049	End	2414
GI	7486691	Score	224
Exons	2049..2414		
GI Descrip.	hypothetical protein F8K4.6 - Arabidopsis thaliana gi|3367519|gb|AAC28504.1| (AC004392) Contains similarity to gb|U51898 Ca2+-independent phospholipase A2 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-
Start	396	End	1914
Name	OJ991108_11.0316.C19.o1.gs	Method	GENSCAN
Start	396	End	1914
GI	none	Score	.46
Exons	396..509, 581..798, 944..1235, 1275..1360, 1442..1648, 1776..1914		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-
Start	396	End	1914
Name	OJ991108_11.0316.C19.o1.np	Method	AAT/NAP
Start	400	End	1914
GI	7486691	Score	940
Exons	400..509, 581..798, 895..1360, 1448..1648, 1776..1914		
GI Descrip.	hypothetical protein F8K4.6 - Arabidopsis thaliana gi|3367519|gb|AAC28504.1| (AC004392) Contains similarity to gb|U51898 Ca2+-independent phospholipase A2 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-
Start	396	End	1914
Name	OJ991108_11.0316.C19.o1.tm	Method	TBLASTX:Maize
Start	417	End	951
GI	none	Score	170
Exons	417..518, 417..521, 418..519, 566..778, 568..759, 624..776, 891..950, 895..951		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-
Start	396	End	1914
Name	OJ991108_11.0316.C19.o3.tm	Method	TBLASTX:Maize
Start	951	End	1111
GI	none	Score	217
Exons	951..1109, 952..1110, 953..1111		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-
Start	396	End	1914
Name	OJ991108_11.0316.C19.o1.ts	Method	TBLASTX:Soybean
Start	1050	End	1344
GI	none	Score	141
Exons	1050..1184, 1051..1182, 1164..1256, 1235..1339, 1260..1343, 1261..1344		

Seq. No.	44718	Seq. ID	OJ991108_11.0316.C19
Gene No.	94329	Strand	-

Start	396	End	1914
Name	OJ991108_11.0316.C19.o2.tm	Method	TBLASTX:Maize
Start	1266	End	1875
GI	none	Score	123
Exons	1266..1361, 1266..1373, 1268..1366, 1434..1649, 1438..1611, 1463..1675, 1512..1649, 1771..1875, 1777..1875		

Seq. No.	44719	Seq. ID	OJ991108_11.0316.C20
Gene No.	94330	Strand	-
Start	124	End	2878
Name	OJ991108_11.0316.C20.o1.np	Method	AAT/NAP
Start	89	End	2878
GI	7486691	Score	1594
Exons	89..220, 346..467, 512..602, 753..914, 994..1112, 1185..1445, 1552..1714, 1801..2046, 2156..2370, 2695..2878		
GI Descrip.	hypothetical protein F8K4.6 - Arabidopsis thaliana gi|3367519|gb|AAC28504.1| (AC004392) Contains similarity to gb|U51898 Ca2+-independent phospholipase A2 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	44719	Seq. ID	OJ991108_11.0316.C20
Gene No.	94330	Strand	-
Start	124	End	2878
Name	OJ991108_11.0316.C20.o1.gs	Method	GENSCAN
Start	124	End	2613
GI	none	Score	.84
Exons	124..227, 359..602, 753..914, 994..1112, 1185..1445, 1552..1714, 2156..2365, 2460..2613		

Seq. No.	44719	Seq. ID	OJ991108_11.0316.C20
Gene No.	94330	Strand	-
Start	124	End	2878
Name	OJ991108_11.0316.C20.o1.tw	Method	TBLASTX:Wheat
Start	350	End	917
GI	none	Score	191
Exons	350..490, 352..492, 356..439, 360..491, 503..604, 504..608, 505..603, 521..604, 753..917, 757..915, 764..916		

Seq. No.	44719	Seq. ID	OJ991108_11.0316.C20
Gene No.	94330	Strand	-
Start	124	End	2878
Name	OJ991108_11.0316.C20.o1.tm	Method	TBLASTX:Maize
Start	1000	End	1581
GI	none	Score	150
Exons	1000..1131, 1001..1114, 1158..1442, 1168..1443, 1180..1452, 1184..1450, 1534..1581, 1550..1579, 1551..1580		

Seq. No.	44719	Seq. ID	OJ991108_11.0316.C20
Gene No.	94330	Strand	-
Start	124	End	2878
Name	OJ991108_11.0316.C20.o1.ts	Method	TBLASTX:Soybean
Start	1408	End	2221
GI	none	Score	53
Exons	1408..1452, 1409..1450, 1550..1711, 1551..1712, 1554..1715, 1555..1716, 1795..2046, 1798..1914, 1958..2047, 2153..2221, 2154..2216		

Seq. No.	44720	Seq. ID	OJ991108_11.0316.C21
Gene No.	94331	Strand	+
Start	1	End	1609
Name	OJ991108_11.0316.C21.o1.gp	Method	AAT/GAP
Start	1	End	276
GI	LIB3433-020-P1-K1-A6	Score	520
Exons	1..276		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44720	Seq. ID	OJ991108_11.0316.C21
Gene No.	94331	Strand	+
Start	1	End	1609
Name	OJ991108_11.0316.C21.o3.np	Method	AAT/NAP
Start	1	End	1609
GI	7228438	Score	188
Exons	1..50, 1226..1609		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	44720	Seq. ID	OJ991108_11.0316.C21
Gene No.	94331	Strand	+
Start	1	End	1609
Name	OJ991108_11.0316.C21.o1.np	Method	AAT/NAP
Start	1	End	597
GI	5441880	Score	136
Exons	1..89, 383..597		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	44720	Seq. ID	OJ991108_11.0316.C21
Gene No.	94331	Strand	+
Start	1	End	1609
Name	OJ991108_11.0316.C21.o1.gs	Method	GENSCAN
Start	187	End	1609
GI	none	Score	.69
Exons	187..583, 647..900, 1289..1609		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94332	Strand	+
Start	164	End	216
Name	OJ991108_11.0316.C22.o1.gp	Method	AAT/GAP
Start	164	End	216
GI	LIB3431-030-P1-N1-G8	Score	86
Exons	164..216		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o1.gs	Method	GENSCAN
Start	302	End	4889
GI	none	Score	.57
Exons	302..461, 973..1064, 2172..2321, 2393..2594, 2724..2934,		

3033..3158, 3243..3430, 3576..3767, 4297..4329, 4785..4889

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o2.np	Method	AAT/NAP
Start	1478	End	13952
GI	4512670	Score	531
Exons	1478..1567, 6058..6501, 6629..7067, 7160..7366, 13672..13952		
GI Descrip.	(AC006931) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o1.np	Method	AAT/NAP
Start	2104	End	3881
GI	5915851	Score	437
Exons	2104..2594, 2730..3158, 3243..3430, 3576..3881		
GI Descrip.	CYTOCHROME P450 90A1 gi|1076315|pir||S55379 cytochrome P450 - Arabidopsis thaliana gi|853719|emb|CAA60793| (X87367) CYP90 protein [Arabidopsis thaliana] gi|871988|emb|CAA60794| (X87368) CYP90 protein [Arabidopsis thaliana]		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o2.gs	Method	GENSCAN
Start	6019	End	7890
GI	none	Score	.78
Exons	6019..6501, 6629..7067, 7160..7347, 7509..7700, 7858..7890		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o2.gp	Method	AAT/GAP
Start	7528	End	7984
GI	LIB3434-048-P1-K1-F5	Score	830
Exons	7528..7984		
GI Descrip.	'3461849 3.0e-15 (AC005315) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o4.gs	Method	GENSCAN
Start	12179	End	15371
GI	none	Score	.69
Exons	12179..12679, 12788..13226, 13326..13514, 13612..13858, 15233..15371		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94333	Strand	+
Start	302	End	15371
Name	OJ991108_11.0316.C22.o3.gp	Method	AAT/GAP
Start	13291	End	13718
GI	LIB3433-008-Q6-K1-E11	Score	800
Exons	13291..13718		

GI Descrip. '4512670/gb|AAD21724.1| 9.0e-15 (AC006931) putative cytochrome P450 [Arabidopsis thaliana]'

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94334	Strand	-
Start	10272	End	11053
Name	OJ991108_11.0316.C22.o3.gs	Method	GENSCAN
Start	10272	End	11053
GI	none	Score	.74
Exons	10272..10519, 10648..10747, 10982..11053		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o3.ts	Method	TBLASTX:Soybean
Start	2112	End	12436
GI	none	Score	195
Exons	2112..2345, 2170..2352, 6060..6251, 6076..6258, 12329..12436		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o1.tc	Method	TBLASTX:Cress
Start	2170	End	13862
GI	none	Score	149
Exons	2170..2403, 2736..2963, 3035..3172, 3242..3430, 3325..3432, 3573..3665, 3672..3785, 3689..3781, 4363..4485, 5969..6010, 6076..6297, 6617..6886, 6944..7081, 7159..7350, 7506..7598, 7605..7718, 7622..7714, 12254..12487, 12277..12318, 12370..12444, 13103..13270, 13325..13489, 13485..13517, 13650..13745, 13749..13862, 13766..13858		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o2.tm	Method	TBLASTX:Maize
Start	2238	End	12861
GI	none	Score	114
Exons	2238..2429, 2238..2429, 2239..2433, 2308..2436, 2425..2580, 2426..2584, 2429..2596, 2436..2597, 2696..2788, 2724..2798, 6144..6503, 6145..6489, 6617..6703, 12322..12681, 12323..12682, 12787..12861		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o2.ts	Method	TBLASTX:Soybean
Start	2739	End	13937
GI	none	Score	94
Exons	2739..2942, 3026..3175, 3265..3432, 3269..3430, 3289..3432, 3600..3653, 3675..3872, 3683..3871, 6644..6847, 6935..7084, 7182..7358, 7186..7362, 7593..7769, 7616..7717, 12278..12328, 12442..12471, 12815..12994, 13352..13489, 13485..13517, 13667..13732, 13695..13733, 13752..13937, 13760..13921		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-

Start	15731	End	17720
Name	OJ991108_11.0316.C22.o5.tm	Method	TBLASTX:Maize
Start	3019	End	13447
GI	none	Score	121
Exons	3019..3153, 3020..3157, 3234..3338, 3241..3339, 3241..3354, 3242..3364, 4359..4484, 4360..4485, 6911..7066, 6913..7062, 7158..7256, 7158..7280, 7159..7281, 13070..13222, 13070..13216, 13072..13221, 13293..13421, 13318..13440, 13319..13447		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o5.gs	Method	GENSCAN
Start	15731	End	17581
GI	none	Score	.49
Exons	15731..16252, 16503..16893, 16904..17581		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o6.tm	Method	TBLASTX:Maize
Start	16003	End	16329
GI	none	Score	122
Exons	16003..16143, 16003..16152, 16004..16153, 16091..16177, 16229..16270, 16231..16281, 16270..16329		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o4.np	Method	AAT/NAP
Start	16521	End	17720
GI	4996361	Score	1031
Exons	16521..17720		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o4.tm	Method	TBLASTX:Maize
Start	16539	End	16889
GI	none	Score	40
Exons	16539..16574, 16543..16575, 16575..16889, 16579..16887		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o1.ts	Method	TBLASTX:Soybean
Start	16581	End	17184
GI	none	Score	65
Exons	16581..16889, 16638..16763, 16681..16890, 16880..16990, 16885..17079, 16888..17184, 17063..17179		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o1.tm	Method	TBLASTX:Maize
Start	16890	End	17349

GI	none	Score	118
Exons	16890..16988, 16890..16976, 16891..17349, 16892..17338		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o1.tw	Method	TBLASTX:Wheat
Start	16947	End	17379
GI	none	Score	81
Exons	16947..17210, 16948..17208, 16949..17245, 17218..17379, 17219..17371		

Seq. No.	44721	Seq. ID	OJ991108_11.0316.C22
Gene No.	94335	Strand	-
Start	15731	End	17720
Name	OJ991108_11.0316.C22.o3.tm	Method	TBLASTX:Maize
Start	17356	End	17720
GI	none	Score	176
Exons	17356..17610, 17357..17611, 17605..17718, 17610..17720		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.np	Method	AAT/NAP
Start	1	End	1064
GI	553073	Score	597
Exons	1..1064		
GI Descrip.	(M94481) reverse transcriptase [Zea mays]		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.gs	Method	GENSCAN
Start	42	End	1208
GI	none	Score	.53
Exons	42..186, 239..679, 965..1208		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.tw	Method	TBLASTX:Wheat
Start	567	End	932
GI	none	Score	74
Exons	567..932, 643..786, 829..930		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.tc	Method	TBLASTX:Cress
Start	573	End	1022
GI	none	Score	60
Exons	573..1022, 643..771		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.ts	Method	TBLASTX:Soybean

Start	594	End	1052
GI	none	Score	64
Exons	594..1052, 745..969		

Seq. No.	44722	Seq. ID	OJ991108_11.0316.C23
Gene No.	94336	Strand	-
Start	1	End	1208
Name	OJ991108_11.0316.C23.o1.tm	Method	TBLASTX:Maize
Start	603	End	1059
GI	none	Score	171
Exons	603..980, 643..954, 955..1059, 957..1058		

Seq. No.	44723	Seq. ID	OJ991108_18.0331.C2
Gene No.	94337	Strand	+
Start	67	End	612
Name	OJ991108_18.0331.C2.o1.gs	Method	GENSCAN
Start	67	End	612
GI	none	Score	.87
Exons	67..315, 412..612		

Seq. No.	44723	Seq. ID	OJ991108_18.0331.C2
Gene No.	94338	Strand	-
Start	966	End	1024
Name	OJ991108_18.0331.C2.o1.gp	Method	AAT/GAP
Start	966	End	1024
GI	101781_1.R1084	Score	92
Exons	966..1024		
GI Descrip.	'3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]'		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94339	Strand	+
Start	1347	End	1520
Name	OJ991108_18.0331.C4.o1.gp	Method	AAT/GAP
Start	1347	End	1520
GI	LIB3474-009-P1-K1-F11	Score	224
Exons	1347..1520		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94340	Strand	+
Start	5859	End	6361
Name	OJ991108_18.0331.C4.o3.gp	Method	AAT/GAP
Start	5859	End	6361
GI	82678_1.R1084	Score	976
Exons	5859..6361		
GI Descrip.	'4249382/gb|AAD14479| 5.0e-14 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o2.gp	Method	AAT/GAP
Start	1748	End	4981
GI	46887_1.R1084	Score	1998

Exons	1748..2553, 4538..4735, 4889..4981		
GI Descrip.	'3024501/sp|Q40193|R11C_LOTJA 5.0e-71 RAS-RELATED PROTEIN RAB11C >gi_1370146_emb_CAA98179_ (Z73951) RAB11C [Lotus japonicus]'		
Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o1.gs	Method	GENSCAN
Start	2071	End	12531
GI	none	Score	.75
Exons	2071..2553, 4538..4933, 6511..6671, 6770..6847, 7360..7511, 7561..7619, 7724..7810, 7906..8002, 8148..8332, 8410..8469, 8556..8631, 8740..8840, 8955..9641, 9721..9988, 12142..12248, 12358..12531		
Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o1.np	Method	AAT/NAP
Start	2074	End	4702
GI	3024501	Score	918
Exons	2074..2553, 4538..4702		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi|1370146|emb|CAA98179| (Z73951) RAB11C [Lotus japonicus]		
Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o2.np	Method	AAT/NAP
Start	6204	End	9543
GI	4249382	Score	1740
Exons	6204..6419, 6511..6671, 6770..6847, 7360..7451, 7561..7619, 7724..7810, 7906..8002, 8148..8332, 8410..8469, 8556..8631, 8740..8855, 8955..9131, 9218..9315, 9421..9543		
GI Descrip.	(AC005966) Strong similarity to gi|3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb|AC004481. [Arabidopsis thaliana]		
Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o4.gp	Method	AAT/GAP
Start	8300	End	9070
GI	568502	Score	685
Exons	8300..8332, 8410..8469, 8556..8631, 8740..8840, 8955..9070		
GI Descrip.	4249382/gb|AAD14479| 1.0e-26 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]		
Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o3.np	Method	AAT/NAP
Start	10368	End	13183
GI	7484830	Score	358
Exons	10368..10395, 12142..12241, 12351..13183		
GI Descrip.	calmodulin-binding protein homolog F14M19.80 - Arabidopsis		

thaliana gi|4539298|emb|CAB39601.1| (AL049480) putative calmodulin-binding protein [Arabidopsis thaliana] gi|7269431|emb|CAB79435.1| (AL161564) putative calmodulin-binding protein [Arabidopsis thaliana]

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o5.gp	Method	AAT/GAP
Start	12358	End	13010
GI	2798662	Score	785
Exons	12358..12620, 12833..13010		
GI Descrip.	4539298/emb|CAB39601.1| 1.0e-09 (AL049480) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94341	Strand	-
Start	2071	End	14182
Name	OJ991108_18.0331.C4.o2.gs	Method	GENSCAN
Start	12929	End	14182
GI	none	Score	.85
Exons	12929..13217, 13338..13390, 13903..13978, 14025..14182		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o1.ts	Method	TBLASTX:Soybean
Start	1785	End	9502
GI	none	Score	65
Exons	1785..1847, 6188..6298, 6192..6419, 6193..6420, 6497..6673, 6511..6699, 6768..6857, 6769..6852, 7343..7450, 7347..7451, 7561..7620, 7561..7620, 7703..7819, 7725..7820, 7906..8001, 7907..8002, 8168..8335, 8169..8336, 8410..8469, 8414..8470, 8550..8588, 8571..8642, 8572..8619, 8739..8846, 8955..9131, 8956..9132, 9216..9299, 9218..9307, 9422..9502		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o1.tc	Method	TBLASTX:Cress
Start	2053	End	4703
GI	none	Score	77
Exons	2053..2160, 2131..2556, 2143..2268, 2156..2551, 2213..2560, 2314..2556, 4535..4702, 4545..4703		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o2.tm	Method	TBLASTX:Maize
Start	2071	End	4703
GI	none	Score	61
Exons	2071..2193, 2074..2559, 2078..2191, 2156..2554, 4535..4702, 4539..4703		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561

Name	OJ991108_18.0331.C4.o2.ts	Method	TBLASTX:Soybean
Start	2071	End	4705
GI	none	Score	58
Exons	2071..2139, 2071..2199, 2073..2147, 2078..2191, 2123..2536, 2149..2250, 2155..2559, 2156..2551, 2314..2556, 4535..4705, 4545..4703		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o2.tw	Method	TBLASTX:Wheat
Start	2144	End	2553
GI	none	Score	239
Exons	2144..2536, 2173..2553		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o3.tw	Method	TBLASTX:Wheat
Start	4535	End	4703
GI	none	Score	269
Exons	4535..4702, 4536..4703		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o2.tc	Method	TBLASTX:Cress
Start	6155	End	7759
GI	none	Score	66
Exons	6155..6304, 6207..6419, 6208..6420, 6494..6673, 6511..6699, 6768..6857, 6769..6852, 7343..7438, 7346..7429, 7347..7448, 7561..7596, 7724..7759		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o1.tm	Method	TBLASTX:Maize
Start	6211	End	8275
GI	none	Score	275
Exons	6211..6420, 6213..6419, 6241..6420, 6497..6673, 6511..6684, 6758..6823, 6765..6845, 6765..6857, 6766..6852, 7319..7450, 7343..7450, 7347..7451, 7561..7620, 7561..7620, 7719..7811, 7720..7812, 7724..7816, 7724..7819, 7725..7820, 7906..8037, 7906..8001, 7907..8002, 8147..8260, 8147..8275, 8148..8264		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o1.tw	Method	TBLASTX:Wheat
Start	6276	End	7399
GI	none	Score	100
Exons	6276..6419, 6279..6419, 6280..6420, 6497..6673, 6511..6690, 6768..6854, 6768..6857, 6769..6858, 7343..7399		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561

Name	OJ991108_18.0331.C4.o4.tc	Method	TBLASTX:Cress
Start	7766	End	8335
GI	none	Score	55
Exons	7766..7819, 7767..7820, 7906..8001, 7907..8002, 7913..8014, 8147..8335, 8148..8297		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o3.tm	Method	TBLASTX:Maize
Start	8276	End	9469
GI	none	Score	55
Exons	8276..8344, 8417..8470, 8422..8469, 8550..8588, 8559..8642, 8737..8838, 8739..8840, 8941..9132, 8958..9131, 9216..9299, 9218..9307, 9422..9454, 9422..9469		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o3.tc	Method	TBLASTX:Cress
Start	8751	End	9502
GI	none	Score	122
Exons	8751..8843, 8955..9131, 8962..9132, 9218..9307, 9231..9299, 9422..9502		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o4.tm	Method	TBLASTX:Maize
Start	11699	End	11902
GI	none	Score	189
Exons	11699..11902, 11709..11891, 11711..11902		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o5.tm	Method	TBLASTX:Maize
Start	12370	End	13195
GI	none	Score	83
Exons	12370..12558, 12446..12559, 12828..12926, 12835..12918, 12932..13195, 12936..13175		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o3.ts	Method	TBLASTX:Soybean
Start	12400	End	13196
GI	none	Score	70
Exons	12400..12558, 12463..12549, 12826..12936, 12828..12935, 12915..13196, 12932..13195		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o6.gp	Method	AAT/GAP
Start	14820	End	15161
GI	LIB3433-046-P1-K1-E4	Score	602

Exons	14820..15161		
GI Descrip.	'4249382/gb|AAD14479| 1.0e-26 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]'		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o3.gs	Method	GENSCAN
Start	16356	End	16532
GI	none	Score	.5
Exons	16356..16532		

Seq. No.	44724	Seq. ID	OJ991108_18.0331.C4
Gene No.	94342	Strand	-
Start	16356	End	16561
Name	OJ991108_18.0331.C4.o4.np	Method	AAT/NAP
Start	16425	End	16561
GI	7267650	Score	122
Exons	16425..16561		
GI Descrip.	(AL161515) putative protein [Arabidopsis thaliana]		

Seq. No.	44725	Seq. ID	OJ991108_18.0331.C5
Gene No.	94343	Strand	+
Start	78	End	262
Name	OJ991108_18.0331.C5.o1.gs	Method	GENSCAN
Start	78	End	262
GI	none	Score	.58
Exons	78..262		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94344	Strand	+
Start	4018	End	12275
Name	OJ991108_18.0331.C6.o2.gp	Method	AAT/GAP
Start	4008	End	5494
GI	49394_1:R1084	Score	960
Exons	4008..4116, 5091..5494		
GI Descrip.	'2315591 1.0e-15 (AF016662) No definition line found [Caenorhabditis elegans]'		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94344	Strand	+
Start	4018	End	12275
Name	OJ991108_18.0331.C6.o2.gs	Method	GENSCAN
Start	4018	End	12254
GI	none	Score	.74
Exons	4018..4116, 5091..5580, 7189..7448, 7516..7593, 7599..7715, 7838..7898, 8007..8043, 8574..8704, 8784..8927, 9781..9920, 11094..11176, 11262..11337, 11393..11507, 11827..12254		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94344	Strand	+
Start	4018	End	12275
Name	OJ991108_18.0331.C6.o2.np	Method	AAT/NAP
Start	4382	End	5744
GI	7019463	Score	374
Exons	4382..4442, 5149..5744		

GI Descrip. putative N6-DNA-methyltransferase
gi|5052364|gb|AAD38520.1|AF139682_1 (AF139682) putative N6-DNA-methyltransferase; N6AMT1 [Homo sapiens]

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94344	Strand	+
Start	4018	End	12275
Name	OJ991108_18.0331.C6.o3.np	Method	AAT/NAP
Start	7611	End	12275
GI	4567275	Score	536
Exons	7611..7715, 7838..7898, 8007..8043, 8574..9055, 9335..9459, 9781..9920, 10952..11002, 11094..11176, 11262..11316, 11393..11523, 11792..12027, 12064..12275		
GI Descrip.	(AC006841) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94345	Strand	-
Start	1	End	3693
Name	OJ991108_18.0331.C6.o1.np	Method	AAT/NAP
Start	1	End	3530
GI	5882738	Score	2009
Exons	1..206, 397..504, 594..908, 1774..2189, 2278..3530		
GI Descrip.	(AC008263) Contains 3 PF|01535 DUF17 domains. [Arabidopsis thaliana] gi|6646779|gb|AAF21091.1|AC013258_29 (AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94345	Strand	-
Start	1	End	3693
Name	OJ991108_18.0331.C6.o1.gs	Method	GENSCAN
Start	28	End	3693
GI	none	Score	.64
Exons	28..206, 397..504, 594..908, 1774..2189, 2278..3693		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94345	Strand	-
Start	1	End	3693
Name	OJ991108_18.0331.C6.o1.gp	Method	AAT/GAP
Start	716	End	2008
GI	LIB3474-011-P1-K1-C6	Score	803
Exons	716..908, 1774..2008		
GI Descrip.	'5882738/gb|AAD55291.1|AC008263_22 4.0e-45 (AC008263) Contains 3 PF_01535 DUF17 domains. [Arabidopsis thaliana]'		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94346	Strand	-
Start	5739	End	6186
Name	OJ991108_18.0331.C6.o3.gp	Method	AAT/GAP
Start	5739	End	6186
GI	none	Score	888
Exons	5739..6186		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o3.tm	Method	TBLASTX:Maize
Start	5	End	916

GI	none	Score	258
Exons	5..223, 6..206, 38..220, 392..505, 396..506, 398..511, 593..916, 594..911		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o1.ts	Method	TBLASTX:Soybean
Start	593	End	1826
GI	none	Score	200
Exons	593..916, 594..911, 1773..1826		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o1.tm	Method	TBLASTX:Maize
Start	1791	End	3192
GI	none	Score	457
Exons	1791..2195, 1792..2190, 1794..2192, 2270..2422, 2276..2431, 2278..2439, 2614..2871, 3043..3174, 3046..3192		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o2.ts	Method	TBLASTX:Soybean
Start	2278	End	3183
GI	none	Score	118
Exons	2278..2553, 2428..2544, 2551..2919, 2555..2674, 2560..2844, 2563..2904, 2635..2892, 3049..3183, 3061..3183, 3070..3180		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o6.tm	Method	TBLASTX:Maize
Start	2872	End	3043
GI	none	Score	102
Exons	2872..3042, 2960..3043		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o2.tm	Method	TBLASTX:Maize
Start	5103	End	5745
GI	none	Score	508
Exons	5103..5447, 5111..5611, 5112..5612, 5507..5614, 5600..5743, 5601..5744, 5653..5745		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o1.tc	Method	TBLASTX:Cress
Start	5165	End	5744
GI	none	Score	290
Exons	5165..5446, 5166..5444, 5310..5546, 5429..5491, 5490..5537, 5534..5608, 5535..5639, 5655..5744, 5657..5743		
Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6

Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o3.ts	Method	TBLASTX:Soybean
Start	5306	End	5561
GI	none	Score	157
Exons	5306..5443, 5310..5447, 5316..5561, 5490..5561		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o7.tm	Method	TBLASTX:Maize
Start	7585	End	8694
GI	none	Score	48
Exons	7585..7626, 7590..7715, 7659..7718, 7835..7897, 7838..7900, 7840..7899, 7994..8041, 8005..8043, 8574..8693, 8574..8693, 8575..8694		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94347	Strand	-
Start	8484	End	8694
Name	OJ991108_18.0331.C6.o4.gp	Method	AAT/GAP
Start	8484	End	8552
GI	LIB3477-003-P1-K1-E9	Score	89
Exons	8484..8552		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94348	Strand	
Start	9777	End	11153
Name	OJ991108_18.0331.C6.o5.tm	Method	TBLASTX:Maize
Start	9777	End	11153
GI	none	Score	125
Exons	9777..9920, 9778..9921, 9779..9949, 9780..9926, 10918..11001, 10949..11002, 11094..11153, 11094..11150, 11098..11151		

Seq. No.	44726	Seq. ID	OJ991108_18.0331.C6
Gene No.	94349	Strand	
Start	11814	End	12263
Name	OJ991108_18.0331.C6.o4.tm	Method	TBLASTX:Maize
Start	11814	End	12263
GI	none	Score	231
Exons	11814..12038, 11827..11919, 11963..12034, 11985..12038, 12102..12125, 12106..12258, 12110..12262, 12111..12263		

Seq. No.	44727	Seq. ID	OJ991108_18.0331.C7
Gene No.	94350	Strand	+
Start	1	End	1230
Name	OJ991108_18.0331.C7.o1.np	Method	AAT/NAP
Start	1	End	1230
GI	4567275	Score	279
Exons	1..101, 558..730, 822..951, 1190..1230		
GI Descrip.	(AC006841) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44727	Seq. ID	OJ991108_18.0331.C7
Gene No.	94350	Strand	+

Start	1	End	1230
Name	OJ991108_18.0331.C7.o1.tm	Method	TBLASTX:Maize
Start	17	End	957
GI	none	Score	117
Exons	17..106, 32..106, 33..110, 34..108, 183..203, 560..733, 561..731, 563..736, 819..848, 820..852, 821..847, 833..955, 843..956, 862..957, 862..957		

Seq. No.	44727	Seq. ID	OJ991108_18.0331.C7
Gene No.	94350	Strand	+
Start	1	End	1230
Name	OJ991108_18.0331.C7.o1.gs	Method	GENSCAN
Start	89	End	951
GI	none	Score	.7
Exons	89..105, 562..730, 822..951		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94351	Strand	+
Start	1	End	2213
Name	OJ991108_18.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	1885
GI	5923674	Score	1141
Exons	1..17, 76..359, 448..576, 1277..1479, 1571..1885		
GI Descrip.	(AC009326) unknown protein [Arabidopsis thaliana]		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94351	Strand	+
Start	1	End	2213
Name	OJ991108_18.0331.C8.o1.gp	Method	AAT/GAP
Start	72	End	266
GI	426223	Score	358
Exons	72..266		
GI Descrip.	5923674/gb|AAD56325.1|AC009326_12 2.0e-54 (AC009326) unknown protein [Arabidopsis thaliana]		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94351	Strand	+
Start	1	End	2213
Name	OJ991108_18.0331.C8.o1.gs	Method	GENSCAN
Start	76	End	1885
GI	none	Score	.94
Exons	76..359, 448..565, 1297..1479, 1571..1885		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94351	Strand	+
Start	1	End	2213
Name	OJ991108_18.0331.C8.o2.gp	Method	AAT/GAP
Start	425	End	2213
GI	1813_1.R1084	Score	1722
Exons	425..565, 1297..1479, 1571..2213		
GI Descrip.	'5923674/gb|AAD56325.1|AC009326_12 5.0e-65 (AC009326) unknown protein [Arabidopsis thaliana]'		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94352	Strand	-
Start	2892	End	4967
Name	OJ991108_18.0331.C8.o2.gs	Method	GENSCAN

Start	2892	End	4940
GI	none	Score	.82
Exons	2892..3110, 3259..3554, 3647..3736, 3895..4060, 4167..4402, 4604..4940		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94352	Strand	-
Start	2892	End	4967
Name	OJ991108_18.0331.C8.o2.np	Method	AAT/NAP
Start	2948	End	4361
GI	7434312	Score	602
Exons	2948..3160, 3259..3571, 3643..3729, 3860..4069, 4167..4361		
GI Descrip.	receptor-like protein kinase 5 homolog A_IG005I10.8 - Arabidopsis thaliana gi|2252830|gb|AAB62829.1| (AF013293) weak similarity to receptor protein kinase [Arabidopsis thaliana] gi|6049872|gb|AAF02787.1|AF195115_7 (AF195115) weak similarity to receptor protein kinase [Arabidopsis thaliana] gi|7267120|emb|CAB80791.1| (AL161471) weak similarity to receptor protein kinase, cod		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94352	Strand	-
Start	2892	End	4967
Name	OJ991108_18.0331.C8.o3.gp	Method	AAT/GAP
Start	4371	End	4967
GI	4714973	Score	1171
Exons	4371..4967		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	72	End	1383
GI	none	Score	393
Exons	72..362, 72..380, 73..363, 448..573, 449..565, 1295..1378, 1296..1382, 1297..1383		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o2.ts	Method	TBLASTX:Soybean
Start	99	End	384
GI	none	Score	103
Exons	99..221, 99..374, 100..384		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o3.tc	Method	TBLASTX:Cress
Start	126	End	1365
GI	none	Score	77
Exons	126..194, 127..192, 222..380, 223..372, 448..573, 449..565, 1300..1365		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455

Name	OJ991108_18.0331.C8.o3.ts	Method	TBLASTX:Soybean
Start	1296	End	1639
GI	none	Score	104
Exons	1296..1454, 1296..1496, 1300..1497, 1574..1639		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	1365	End	1882
GI	none	Score	161
Exons	1365..1496, 1369..1497, 1573..1755, 1574..1756, 1753..1797, 1754..1774, 1808..1882		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o2.tm	Method	TBLASTX:Maize
Start	1430	End	1890
GI	none	Score	47
Exons	1430..1480, 1439..1483, 1441..1497, 1569..1706, 1570..1890, 1571..1885, 1774..1890		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o4.ts	Method	TBLASTX:Soybean
Start	1727	End	1899
GI	none	Score	182
Exons	1727..1885, 1729..1890, 1761..1889, 1780..1899		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	2963	End	4298
GI	none	Score	95
Exons	2963..3136, 2976..3125, 3259..3429, 3460..3561, 3651..3728, 3891..3989, 3893..4039, 4167..4298		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o2.tc	Method	TBLASTX:Cress
Start	2972	End	3991
GI	none	Score	61
Exons	2972..3160, 2976..3149, 3248..3436, 3259..3429, 3442..3546, 3467..3547, 3660..3728, 3661..3729, 3896..3991		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	3253	End	3558
GI	none	Score	185
Exons	3253..3558		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o3.tm	Method	TBLASTX:Maize
Start	3322	End	3719
GI	none	Score	48
Exons	3322..3429, 3323..3355, 3442..3561, 3467..3544, 3651..3719, 3661..3696		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o4.tm	Method	TBLASTX:Maize
Start	3891	End	4310
GI	none	Score	73
Exons	3891..3989, 3896..4051, 4167..4310		

Seq. No.	44728	Seq. ID	OJ991108_18.0331.C8
Gene No.	94353	Strand	-
Start	9177	End	9455
Name	OJ991108_18.0331.C8.o3.gs	Method	GENSCAN
Start	9177	End	9455
GI	none	Score	.87
Exons	9177..9455		

Seq. No.	44729	Seq. ID	OJ991108_18.0331.C9
Gene No.	94354	Strand	+
Start	1864	End	1987
Name	OJ991108_18.0331.C9.o1.np	Method	AAT/NAP
Start	1864	End	1987
GI	5852093	Score	61
Exons	1864..1987		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	44729	Seq. ID	OJ991108_18.0331.C9
Gene No.	94355	Strand	-
Start	3202	End	6662
Name	OJ991108_18.0331.C9.o2.gs	Method	GENSCAN
Start	3202	End	6662
GI	none	Score	.82
Exons	3202..3432, 5439..5962, 6473..6662		

Seq. No.	44729	Seq. ID	OJ991108_18.0331.C9
Gene No.	94355	Strand	-
Start	3202	End	6662
Name	OJ991108_18.0331.C9.o1.tm	Method	TBLASTX:Maize
Start	5196	End	6612
GI	none	Score	97
Exons	5196..5258, 5363..5497, 5373..5957, 5373..5537, 5580..5837, 6467..6610, 6468..6611, 6469..6612		

Seq. No.	44729	Seq. ID	OJ991108_18.0331.C9
Gene No.	94355	Strand	-
Start	3202	End	6662
Name	OJ991108_18.0331.C9.o2.np	Method	AAT/NAP
Start	5370	End	6590
GI	6729505	Score	139

Exons	5370..6069, 6518..6590		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		
Seq. No.	44730	Seq. ID	OJ991108_18.0331.C10
Gene No.	94356	Strand	-
Start	100	End	911
Name	OJ991108_18.0331.C10.o1.gs	Method	GENSCAN
Start	100	End	911
GI	none	Score	.79
Exons	100..911		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94357	Strand	+
Start	7233	End	8714
Name	OJ991108_18.0331.C11.o2.gs	Method	GENSCAN
Start	7233	End	8714
GI	none	Score	.95
Exons	7233..8714		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94358	Strand	+
Start	13204	End	14394
Name	OJ991108_18.0331.C11.o4.np	Method	AAT/NAP
Start	13204	End	14394
GI	3980383	Score	178
Exons	13204..13242, 13344..13396, 13964..14002, 14277..14394		
GI Descrip.	(AC004561) unknown protein [Arabidopsis thaliana] gi|5107174|gb|AAD39999.1|AF150093_1 (AF150093) small zinc finger-like protein [Arabidopsis thaliana]		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94359	Strand	-
Start	1	End	3946
Name	OJ991108_18.0331.C11.o1.np	Method	AAT/NAP
Start	1	End	2339
GI	5923674	Score	795
Exons	1..569, 891..1186, 1285..1402, 1610..1692, 2101..2339		
GI Descrip.	(AC009326) unknown protein [Arabidopsis thaliana]		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94359	Strand	-
Start	1	End	3946
Name	OJ991108_18.0331.C11.o1.gs	Method	GENSCAN
Start	38	End	3946
GI	none	Score	.99
Exons	38..522, 975..1186, 1285..1402, 1610..1692, 2101..2211, 3810..3946		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94359	Strand	-
Start	1	End	3946
Name	OJ991108_18.0331.C11.o2.gp	Method	AAT/GAP
Start	383	End	3876
GI	5607636	Score	1344
Exons	383..522, 975..1186, 1285..1402, 1610..1692, 2101..2211, 3810..3876		
GI Descrip.	5923674/gb|AAD56325.1|AC009326_12 4.0e-79 (AC009326) unknown		

protein [Arabidopsis thaliana]

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94360	Strand	-
Start	10664	End	12756
Name	OJ991108_18.0331.C11.o3.gp	Method	AAT/GAP
Start	9695	End	10703
GI	2799330	Score	518
Exons	9695..9809, 9909..10040, 10652..10703		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94360	Strand	-
Start	10664	End	12756
Name	OJ991108_18.0331.C11.o3.gs	Method	GENSCAN
Start	10664	End	12756
GI	none	Score	.78
Exons	10664..10744, 10877..11198, 12368..12756		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94360	Strand	-
Start	10664	End	12756
Name	OJ991108_18.0331.C11.o3.np	Method	AAT/NAP
Start	10664	End	12737
GI	6478916	Score	482
Exons	10664..10744, 10877..11198, 11689..11867, 12346..12737		
GI Descrip.	(AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o3.ts	Method	TBLASTX:Soybean
Start	1162	End	3877
GI	none	Score	119
Exons	1162..1197, 1284..1409, 1284..1409, 1285..1410, 1308..1400, 1608..1694, 1611..1691, 2101..2202, 2101..2202, 2103..2210, 3743..3877		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	7839	End	8423
GI	none	Score	141
Exons	7839..7973, 7974..8423, 8034..8291, 8108..8422		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o1.tc	Method	TBLASTX:Cress
Start	8184	End	8576
GI	none	Score	441
Exons	8184..8576, 8237..8335, 8381..8560		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o2.ts	Method	TBLASTX:Soybean

Start	8262	End	8519
GI	none	Score	202
Exons	8262..8519, 8270..8506		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o5.tm	Method	TBLASTX:Maize
Start	8429	End	8738
GI	none	Score	260
Exons	8429..8581, 8430..8582, 8646..8738		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o6.tm	Method	TBLASTX:Maize
Start	10884	End	11822
GI	none	Score	239
Exons	10884..11087, 10884..11198, 10885..11112, 11149..11193, 11688..11822, 11689..11820		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o2.tm	Method	TBLASTX:Maize
Start	12346	End	12787
GI	none	Score	335
Exons	12346..12564, 12347..12604, 12709..12753, 12713..12787		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o7.tm	Method	TBLASTX:Maize
Start	15996	End	16419
GI	none	Score	80
Exons	15996..16103, 16023..16073, 16065..16118, 16069..16125, 16070..16126, 16071..16139, 16115..16147, 16117..16146, 16144..16221, 16145..16186, 16152..16220, 16153..16221, 16224..16418, 16228..16416, 16234..16419, 16259..16417		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o4.gs	Method	GENSCAN
Start	16226	End	20512
GI	none	Score	.74
Exons	16226..16468, 16656..16772, 17325..17486, 17779..17931, 18003..18088, 18548..18653, 19404..19550, 19643..19869, 20446..20512		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o5.np	Method	AAT/NAP
Start	16229	End	19869
GI	6633851	Score	1155
Exons	16229..16468, 16656..16772, 17325..17447, 17791..17931,		

	18003..18088, 18548..18653, 18739..18872, 19415..19869		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o1.ts	Method	TBLASTX:Soybean
Start	16248	End	20522
GI	none	Score	81
Exons	16248..16433, 16265..16423, 16653..16745, 17740..17919, 17741..17932, 18003..18089, 18007..18090, 18544..18654, 18546..18653, 18742..18873, 18742..18870, 19414..19551, 19416..19550, 19634..19702, 19719..19823, 19721..19828, 20450..20518, 20460..20522		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o2.tc	Method	TBLASTX:Cress
Start	16335	End	18819
GI	none	Score	48
Exons	16335..16388, 16337..16471, 16428..16472, 16656..16745, 16663..16722, 16747..16827, 17322..17438, 17733..17906, 17740..17919, 17750..17935, 18003..18089, 18004..18090, 18523..18657, 18546..18653, 18557..18655, 18742..18819, 18743..18808		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o3.tm	Method	TBLASTX:Maize
Start	16653	End	18090
GI	none	Score	115
Exons	16653..16742, 17322..17483, 17344..17493, 17345..17485, 17745..17927, 17746..17919, 17747..17932, 17747..17923, 18003..18089, 18007..18090		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o1.tw	Method	TBLASTX:Wheat
Start	17808	End	18767
GI	none	Score	73
Exons	17808..17930, 17809..17934, 17809..17919, 17810..17935, 17810..17929, 18003..18089, 18004..18090, 18523..18654, 18546..18653, 18738..18767, 18739..18765		
Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o4.gp	Method	AAT/GAP
Start	18015	End	19533
GI	uC-osf1M202061b01b1	Score	685
Exons	18015..18088, 18548..18653, 18739..18872, 19415..19533		
GI Descrip.	'3080427/emb|CAA18746.1| 8.0e-54 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o4.tm	Method	TBLASTX:Maize
Start	18759	End	19739
GI	none	Score	81
Exons	18759..18833, 18760..18879, 18760..18870, 18761..18871, 19414..19551, 19416..19550, 19634..19738, 19635..19739		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o3.tc	Method	TBLASTX:Cress
Start	19407	End	20513
GI	none	Score	86
Exons	19407..19538, 19414..19551, 19416..19550, 19634..19702, 19715..19837, 19719..19835, 20456..20512, 20457..20513		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o2.tw	Method	TBLASTX:Wheat
Start	19431	End	19852
GI	none	Score	114
Exons	19431..19550, 19431..19550, 19432..19551, 19613..19720, 19635..19721, 19721..19852, 19722..19838, 19745..19852		

Seq. No.	44731	Seq. ID	OJ991108_18.0331.C11
Gene No.	94361	Strand	-
Start	16226	End	20522
Name	OJ991108_18.0331.C11.o8.tm	Method	TBLASTX:Maize
Start	19739	End	20519
GI	none	Score	142
Exons	19739..19870, 19740..19838, 19748..19870, 20447..20518, 20448..20519		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94362	Strand	+
Start	1025	End	3075
Name	OJ991108_18.0331.C12.o1.gs	Method	GENSCAN
Start	1025	End	3075
GI	none	Score	.56
Exons	1025..1173, 2961..3075		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94363	Strand	+
Start	9860	End	12063
Name	OJ991108_18.0331.C12.o3.gs	Method	GENSCAN
Start	9860	End	12063
GI	none	Score	.83
Exons	9860..10063, 10112..10270, 10530..10674, 10730..10893, 10943..10970, 11148..11185, 11398..11766, 11911..12063		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94364	Strand	+
Start	12761	End	17148
Name	OJ991108_18.0331.C12.o4.gs	Method	GENSCAN

Start	12761	End	17148
GI	none	Score	.87
Exons	12761..13081, 13385..13558, 14002..14259, 14451..14668, 16104..16389, 16510..16674, 16903..17148		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94365	Strand	+
Start	18718	End	19050
Name	OJ991108_18.0331.C12.o5.gs	Method	GENSCAN
Start	18718	End	19050
GI	none	Score	.94
Exons	18718..19050		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94366	Strand	+
Start	19215	End	21895
Name	OJ991108_18.0331.C12.o6.gs	Method	GENSCAN
Start	19215	End	21895
GI	none	Score	.52
Exons	19215..19321, 19818..19954, 20693..20865, 21302..21559, 21797..21895		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94367	Strand	-
Start	3378	End	6778
Name	OJ991108_18.0331.C12.o2.gs	Method	GENSCAN
Start	3378	End	6778
GI	none	Score	.61
Exons	3378..3526, 5048..5154, 5473..5631, 5723..5822, 5963..6173, 6246..6549, 6735..6778		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94367	Strand	-
Start	3378	End	6778
Name	OJ991108_18.0331.C12.o1.gp	Method	AAT/GAP
Start	4737	End	4817
GI	90742_1.R1084	Score	97
Exons	4737..4817		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	44732	Seq. ID	OJ991108_18.0331.C12
Gene No.	94368	Strand	-
Start	15970	End	18331
Name	OJ991108_18.0331.C12.o1.np	Method	AAT/NAP
Start	15970	End	18331
GI	5922634	Score	106
Exons	15970..16016, 17044..17138, 18232..18331		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94369	Strand	+
Start	810	End	1463
Name	OJ991108_18.0331.C13.o1.gs	Method	GENSCAN
Start	810	End	1463

GI	none	Score	.56
Exons	810..948, 1272..1463		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94370	Strand	+
Start	5312	End	6158
Name	OJ991108_18.0331.C13.o1.gp	Method	AAT/GAP
Start	5245	End	5736
GI	none	Score	976
Exons	5245..5736		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94370	Strand	+
Start	5312	End	6158
Name	OJ991108_18.0331.C13.o3.gs	Method	GENSCAN
Start	5312	End	6158
GI	none	Score	.86
Exons	5312..5434, 5997..6158		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94371	Strand	-
Start	2043	End	3540
Name	OJ991108_18.0331.C13.o1.np	Method	AAT/NAP
Start	2025	End	3492
GI	7263559	Score	791
Exons	2025..2936, 3013..3492		
GI Descrip.	(AL161667) glucuronosyl transferase-like protein [Arabidopsis thaliana]		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94371	Strand	-
Start	2043	End	3540
Name	OJ991108_18.0331.C13.o2.gs	Method	GENSCAN
Start	2043	End	3540
GI	none	Score	.94
Exons	2043..3014, 3022..3540		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o3.tm	Method	TBLASTX:Maize
Start	2151	End	2481
GI	none	Score	220
Exons	2151..2462, 2245..2481		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o2.tc	Method	TBLASTX:Cress
Start	2223	End	3627
GI	none	Score	122
Exons	2223..2465, 2248..2463, 2487..2681, 2548..2622, 2682..2768, 2772..2858, 3358..3468, 3583..3627		
Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505

Name	OJ991108_18.0331.C13.o2.ts	Method	TBLASTX:Soybean
Start	2229	End	3456
GI	none	Score	125
Exons	2229..2462, 2284..2472, 2496..2681, 2548..2667, 2706..2855, 3031..3336, 3358..3456		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o1.tw	Method	TBLASTX:Wheat
Start	2244	End	2648
GI	none	Score	307
Exons	2244..2462, 2248..2463, 2502..2648, 2505..2645		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o1.tm	Method	TBLASTX:Maize
Start	2496	End	3555
GI	none	Score	166
Exons	2496..2678, 2502..2699, 2676..2762, 2676..2966, 2677..2943, 2820..2954, 3013..3315, 3014..3184, 3347..3457, 3367..3468, 3523..3555		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o2.tw	Method	TBLASTX:Wheat
Start	5234	End	5443
GI	none	Score	197
Exons	5234..5290, 5302..5433, 5303..5434, 5351..5443		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o4.tm	Method	TBLASTX:Maize
Start	5308	End	5443
GI	none	Score	192
Exons	5308..5433, 5312..5434, 5351..5443		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o2.gp	Method	AAT/GAP
Start	7251	End	8360
GI	21927_1.R1084	Score	1029
Exons	7251..7522, 7648..7762, 7844..8008, 8308..8360		
GI Descrip.	'3061293/dbj|BAA25647| 3.0e-11 (D86202) dolichol-phosphate-mannose synthase [Homo sapiens]'		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o1.ts	Method	TBLASTX:Soybean
Start	7394	End	7989
GI	none	Score	125
Exons	7394..7534, 7419..7505, 7435..7545, 7634..7777, 7645..7764,		

7647..7805, 7843..7989, 7844..7936, 7851..7967, 7852..7989

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o2.tm	Method	TBLASTX:Maize
Start	7412	End	8804
GI	none	Score	84
Exons	7412..7480, 7413..7484, 7481..7534, 7634..7777, 7645..7764, 7646..7771, 7843..8019, 7843..8010, 8280..8342, 8307..8342, 8417..8509, 8433..8516, 8434..8517, 8588..8623, 8589..8621, 8727..8804, 8731..8802		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o1.tc	Method	TBLASTX:Cress
Start	7418	End	9496
GI	none	Score	120
Exons	7418..7534, 7422..7505, 7645..7764, 7646..7777, 7842..7964, 7843..8010, 7847..7936, 7847..8014, 7848..7991, 8305..8334, 8307..8342, 8433..8516, 8440..8517, 8588..8623, 8589..8615, 8733..8834, 8734..8829, 8742..8834, 9425..9496, 9427..9495		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o4.gs	Method	GENSCAN
Start	7418	End	10505
GI	none	Score	.92
Exons	7418..7522, 7648..7762, 7844..8008, 8308..8333, 8730..8829, 9419..9627, 9645..9832, 10354..10505		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o2.np	Method	AAT/NAP
Start	7421	End	9574
GI	4503363	Score	633
Exons	7421..7522, 7648..7762, 7844..8008, 8308..8333, 8433..8509, 8590..8623, 8730..8842, 9426..9574		
GI Descrip.	dolichyl-phosphate mannosyltransferase polypeptide 1 gi|3062806|dbj|BAA25646.1| (D86198) dolichol-phosphate-mannose synthase [Homo sapiens] gi|5817251|emb|CAB53749.1| (AL034553) dJ914P20.1 (dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit) [Homo sapiens]		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o3.ts	Method	TBLASTX:Soybean
Start	8299	End	9496
GI	none	Score	53
Exons	8299..8334, 8307..8342, 8417..8509, 8417..8506, 8433..8516, 8434..8517, 8588..8623, 8727..8828, 8730..8831, 8743..8829, 9425..9496, 9427..9495		

Seq. No.	44733	Seq. ID	OJ991108_18.0331.C13
Gene No.	94372	Strand	-
Start	7251	End	10505
Name	OJ991108_18.0331.C13.o3.gp	Method	AAT/GAP
Start	8587	End	9685
GI	3761408	Score	709
Exons	8587..8628, 8730..8829, 9419..9685		
GI Descrip.	3061293/dbj|BAA25647| 3.0e-11 (D86202) dolichol-phosphate-mannose synthase [Homo sapiens]		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94373	Strand	+
Start	9483	End	10594
Name	OJ991108_18.0331.C18.o1.np	Method	AAT/NAP
Start	9483	End	10594
GI	4895194	Score	803
Exons	9483..9630, 9764..9981, 10071..10594		
GI Descrip.	(AC007661) putative peptide/amino acid transporter [Arabidopsis thaliana]		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607
Name	OJ991108_18.0331.C18.o2.gs	Method	GENSCAN
Start	7193	End	10607
GI	none	Score	.56
Exons	7193..7582, 7825..8025, 9823..10109, 10145..10607		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607
Name	OJ991108_18.0331.C18.o2.ts	Method	TBLASTX:Soybean
Start	9540	End	10199
GI	none	Score	123
Exons	9540..9629, 9554..9640, 9711..9902, 9766..9978, 10134..10199		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607
Name	OJ991108_18.0331.C18.o1.tc	Method	TBLASTX:Cress
Start	9543	End	10556
GI	none	Score	96
Exons	9543..9629, 9769..9975, 10127..10144, 10146..10358, 10151..10357, 10428..10556		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607
Name	OJ991108_18.0331.C18.o1.tw	Method	TBLASTX:Wheat
Start	9832	End	10229
GI	none	Score	183
Exons	9832..9978, 9843..9992, 10065..10118, 10106..10198, 10134..10229, 10137..10205, 10139..10213		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607

Name	OJ991108_18.0331.C18.o1.tm	Method	TBLASTX:Maize
Start	10137	End	10541
GI	none	Score	191
Exons	10137..10358, 10139..10357, 10428..10541, 10442..10522		

Seq. No.	44734	Seq. ID	OJ991108_18.0331.C18
Gene No.	94374	Strand	-
Start	7193	End	10607
Name	OJ991108_18.0331.C18.o1.ts	Method	TBLASTX:Soybean
Start	10203	End	10544
GI	none	Score	323
Exons	10203..10544, 10256..10489		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+
Start	1	End	725
Name	OJ991108_18.0331.C19.o1.np	Method	AAT/NAP
Start	1	End	725
GI	4895194	Score	623
Exons	1..725		
GI Descrip.	(AC007661) putative peptide/amino acid transporter [Arabidopsis thaliana]		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+
Start	1	End	725
Name	OJ991108_18.0331.C19.o1.ts	Method	TBLASTX:Soybean
Start	8	End	704
GI	none	Score	307
Exons	8..157, 9..344, 356..460, 357..569, 564..704		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+
Start	1	End	725
Name	OJ991108_18.0331.C19.o1.gs	Method	GENSCAN
Start	24	End	719
GI	none	Score	.97
Exons	24..719		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+
Start	1	End	725
Name	OJ991108_18.0331.C19.o1.tc	Method	TBLASTX:Cress
Start	132	End	698
GI	none	Score	115
Exons	132..350, 336..569, 350..460, 579..698		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+
Start	1	End	725
Name	OJ991108_18.0331.C19.o1.tm	Method	TBLASTX:Maize
Start	258	End	644
GI	none	Score	81
Exons	258..344, 297..644, 332..460		

Seq. No.	44735	Seq. ID	OJ991108_18.0331.C19
Gene No.	94375	Strand	+

Start	1	End	725
Name	OJ991108_18.0331.C19.o1.tw	Method	TBLASTX:Wheat
Start	380	End	698
GI	none	Score	203
Exons	380..460, 381..578, 567..698		

Seq. No.	44736	Seq. ID	OJ990808_55.0309.C1
Gene No.	94376	Strand	
Start	723	End	1164
Name	OJ990808_55.0309.C1.o1.tm	Method	TBLASTX:Maize
Start	723	End	1142
GI	none	Score	68
Exons	723..866, 837..953, 954..1109, 972..1142		

Seq. No.	44736	Seq. ID	OJ990808_55.0309.C1
Gene No.	94376	Strand	
Start	723	End	1164
Name	OJ990808_55.0309.C1.o1.ts	Method	TBLASTX:Soybean
Start	732	End	1164
GI	none	Score	60
Exons	732..866, 840..962, 850..954, 864..1163, 952..1164		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	6	End	484
GI	none	Score	79
Exons	6..176, 20..178, 281..484, 306..374		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	68	End	484
GI	none	Score	144
Exons	68..178, 278..484		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o3.tm	Method	TBLASTX:Maize
Start	140	End	512
GI	none	Score	49
Exons	140..178, 141..176, 281..487, 282..491, 485..511, 486..512		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o2.gp	Method	AAT/GAP
Start	5547	End	7219
GI	8163_1.R1084	Score	1200
Exons	5547..5796, 6391..6552, 6975..7219		
GI Descrip.	'5733872/gb|AAD49760.1|AC007932_8 8.0e-27 (AC007932) Similar to gi_4982048 ribosomal protein L18 from Thermotoga maritima genome gb_AE001798. ESTs gb_Z35613, gb_T75951, gb_T22182, gb_T45962, gb_H76281 and gb_AI100025 come from this gene. [Arabidopsis		

thaliana]'

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o2.tc	Method	TBLASTX:Cress
Start	5584	End	7022
GI	none	Score	87
Exons	5584..5796, 5650..5787, 5660..5797, 6391..6555, 6395..6553, 6444..6566, 6927..7022		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	5594	End	5820
GI	none	Score	274
Exons	5594..5797, 5596..5820, 5599..5796		

Seq. No.	44737	Seq. ID	OJ990808_55.0309.C2
Gene No.	94377	Strand	-
Start	5547	End	7219
Name	OJ990808_55.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	6386	End	7179
GI	none	Score	229
Exons	6386..6553, 6391..6555, 6396..6554, 6927..7022, 6972..7037, 6973..7047, 7113..7178, 7120..7179		

Seq. No.	44738	Seq. ID	OJ990808_55.0309.C3
Gene No.	94378	Strand	-
Start	1208	End	1559
Name	OJ990808_55.0309.C3.o1.gp	Method	AAT/GAP
Start	1208	End	1559
GI	none	Score	651
Exons	1208..1559		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94379	Strand	+
Start	1	End	263
Name	OJ990808_55.0309.C4.o1.gp	Method	AAT/GAP
Start	1	End	263
GI	none	Score	504
Exons	1..263		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94380	Strand	+
Start	9151	End	9710
Name	OJ990808_55.0309.C4.o4.gp	Method	AAT/GAP
Start	9151	End	9710
GI	46509_1.R1084	Score	555
Exons	9151..9449, 9687..9710		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94380	Strand	+

Start	9151	End	9710
Name	OJ990808_55.0309.C4.o5.gp	Method	AAT/GAP
Start	9151	End	9709
GI	46509_1.R1084	Score	553
Exons	9151..9449, 9687..9709		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94381	Strand	+
Start	10398	End	10568
Name	OJ990808_55.0309.C4.o7.gp	Method	AAT/GAP
Start	10398	End	10568
GI	12650_1.R1084	Score	214
Exons	10398..10568		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-24 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94382	Strand	-
Start	769	End	3053
Name	OJ990808_55.0309.C4.o2.gp	Method	AAT/GAP
Start	769	End	3053
GI	8497_1.R1084	Score	1755
Exons	769..1066, 1367..1462, 1739..1882, 2265..2642, 3011..3053		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94383	Strand	-
Start	4255	End	5858
Name	OJ990808_55.0309.C4.o3.gp	Method	AAT/GAP
Start	4255	End	5858
GI	286926	Score	867
Exons	4255..4460, 4558..4691, 5696..5858		
GI Descrip.	3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94384	Strand	-
Start	9987	End	10073
Name	OJ990808_55.0309.C4.o6.gp	Method	AAT/GAP
Start	9987	End	10073
GI	46509_1.R1084	Score	116
Exons	9987..10073		
GI Descrip.	'3047077 7.0e-17 (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]'		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	257	End	5920

GI	none	Score	40
Exons	257..325, 868..888, 1005..1136, 1022..1069, 1364..1465, 1724..1885, 1743..1883, 1754..1885, 2265..2642, 2311..2556, 2602..2640, 3008..3235, 3009..3236, 3073..3243, 3536..3583, 3538..3639, 4033..4248, 4043..4369, 4046..4438, 4047..4463, 4576..4692, 4578..4694, 5696..5779, 5867..5920		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o2.ts	Method	TBLASTX:Soybean
Start	260	End	4179
GI	none	Score	34
Exons	260..331, 859..888, 1014..1067, 1022..1069, 1364..1465, 1724..1840, 1737..1832, 1832..1885, 1854..1886, 2228..2401, 2254..2556, 2256..2642, 2263..2400, 2265..2642, 3008..3235, 3009..3236, 3538..3639, 4046..4177, 4047..4178, 4048..4179		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o3.tm	Method	TBLASTX:Maize
Start	766	End	4118
GI	none	Score	75
Exons	766..864, 766..834, 802..873, 848..937, 856..990, 864..1067, 1011..1067, 1012..1071, 1364..1462, 1378..1458, 1703..1750, 1724..1885, 1737..1886, 1935..1976, 2261..2644, 2264..2641, 2265..2642, 3008..3235, 3012..3236, 3013..3237, 3015..3236, 3534..3635, 3538..3639, 3539..3589, 3540..3641, 4033..4110, 4046..4117, 4047..4118		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o1.tw	Method	TBLASTX:Wheat
Start	2505	End	4349
GI	none	Score	43
Exons	2505..2642, 2987..3139, 4055..4348, 4060..4122, 4107..4229, 4109..4315, 4275..4349		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	4118	End	4676
GI	none	Score	466
Exons	4118..4441, 4119..4496, 4128..4457, 4540..4674, 4556..4672, 4557..4676		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o3.ts	Method	TBLASTX:Soybean
Start	4181	End	4670
GI	none	Score	75
Exons	4181..4369, 4181..4393, 4185..4406, 4392..4457, 4413..4457, 4584..4670		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o4.tm	Method	TBLASTX:Maize
Start	5695	End	5920
GI	none	Score	147
Exons	5695..5796, 5696..5797, 5873..5920		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	9350	End	12458
GI	none	Score	158
Exons	9350..9445, 9359..9445, 9364..9462, 9980..10069, 9994..10071, 9994..10068, 9998..10072, 11213..11365, 11217..11366, 11217..11384, 11299..11367, 11484..11783, 11491..11784, 11499..11789, 11933..12169, 11937..12173, 11937..12173, 12278..12457, 12278..12331, 12279..12458		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o2.tc	Method	TBLASTX:Cress
Start	11066	End	12133
GI	none	Score	71
Exons	11066..11260, 11544..11783, 11557..11784, 11572..11784, 11580..11786, 11933..12133, 11937..12131, 11938..12132		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	11312	End	12107
GI	none	Score	88
Exons	11312..11365, 11313..11366, 11485..11784, 11490..11783, 11933..12091, 11936..12085, 11937..12092, 11937..12107		

Seq. No.	44739	Seq. ID	OJ990808_55.0309.C4
Gene No.	94385	Strand	-
Start	12332	End	12804
Name	OJ990808_55.0309.C4.o8.gp	Method	AAT/GAP
Start	12332	End	12804
GI	none	Score	834
Exons	12332..12804		

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5
Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	59	End	663
GI	none	Score	79
Exons	59..286, 135..266, 335..502, 339..518, 348..518, 359..520, 592..663, 603..662		

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5

Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o2.tm	Method	TBLASTX:Maize
Start	59	End	255
GI	none	Score	175
Exons	59..247, 59..154, 111..248,	112..255,	120..245

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5
Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o1.gp	Method	AAT/GAP
Start	343	End	766
GI	22669_1.R1084	Score	547
Exons	343..516, 605..766		
GI Descrip.	'285636/dbj|BAA03206| 2.0e-21 (D14161) ORF [Hordeum vulgare]'		

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5
Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	359	End	701
GI	none	Score	113
Exons	359..523, 363..518, 603..701,	618..677	

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5
Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o1.tw	Method	TBLASTX:Wheat
Start	362	End	647
GI	none	Score	120
Exons	362..523, 363..518, 603..647		

Seq. No.	44740	Seq. ID	OJ990808_55.0309.C5
Gene No.	94386	Strand	-
Start	343	End	766
Name	OJ990808_55.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	395	End	692
GI	none	Score	81
Exons	395..523, 417..518, 603..692		

Seq. No.	44741	Seq. ID	OJ990808_55.0309.C8
Gene No.	94387	Strand	
Start	328	End	876
Name	OJ990808_55.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	328	End	874
GI	none	Score	55
Exons	328..399, 329..400, 399..611,	400..615,	596..640, 599..706,
	622..729, 651..734, 667..735,	725..874	

Seq. No.	44741	Seq. ID	OJ990808_55.0309.C8
Gene No.	94387	Strand	
Start	328	End	876
Name	OJ990808_55.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	329	End	743
GI	none	Score	71
Exons	329..400, 337..399, 398..556,	399..743,	415..729, 584..730

Seq. No.	44741	Seq. ID	OJ990808_55.0309.C8
Gene No.	94387	Strand	
Start	328	End	876
Name	OJ990808_55.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	405	End	620
GI	none	Score	81
Exons	405..620, 418..612		

Seq. No.	44741	Seq. ID	OJ990808_55.0309.C8
Gene No.	94387	Strand	
Start	328	End	876
Name	OJ990808_55.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	746	End	876
GI	none	Score	132
Exons	746..868, 746..874, 750..875, 760..876		

Seq. No.	44742	Seq. ID	OJ990808_55.0309.C9
Gene No.	94388	Strand	
Start	1	End	320
Name	OJ990808_55.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	320
GI	none	Score	129
Exons	1..222, 14..217, 242..319, 246..320		

Seq. No.	44742	Seq. ID	OJ990808_55.0309.C9
Gene No.	94389	Strand	
Start	1885	End	2280
Name	OJ990808_55.0309.C9.o1.tw	Method	TBLASTX:Wheat
Start	1885	End	2280
GI	none	Score	59
Exons	1885..2277, 2183..2278, 2185..2280		

Seq. No.	44742	Seq. ID	OJ990808_55.0309.C9
Gene No.	94389	Strand	
Start	1885	End	2280
Name	OJ990808_55.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	1888	End	2136
GI	none	Score	78
Exons	1888..2136, 1889..2065		

Seq. No.	44743	Seq. ID	OJ990808_55.0309.C14
Gene No.	94399	Strand	
Start	25	End	2037
Name	OJ990808_55.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	25	End	1974
GI	none	Score	91
Exons	25..150, 742..795, 1081..1185, 1113..1184, 1186..1395, 1212..1394, 1411..1743, 1455..1739, 1498..1743, 1774..1836, 1828..1974		

Seq. No.	44743	Seq. ID	OJ990808_55.0309.C14
Gene No.	94399	Strand	
Start	25	End	2037
Name	OJ990808_55.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	1147	End	1737
GI	none	Score	203
Exons	1147..1404, 1149..1337, 1417..1737, 1491..1583		

Seq. No.	44743	Seq. ID	OJ990808_55.0309.C14
Gene No.	94399	Strand	
Start	25	End	2037
Name	OJ990808_55.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	1257	End	1647
GI	none	Score	457
Exons	1257..1580, 1258..1647, 1411..1647		

Seq. No.	44743	Seq. ID	OJ990808_55.0309.C14
Gene No.	94399	Strand	
Start	25	End	2037
Name	OJ990808_55.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	1339	End	2037
GI	none	Score	73
Exons	1339..1395, 1396..1581, 1455..1583, 1597..1821, 1635..1736, 1825..2037		

Seq. No.	44744	Seq. ID	OJ990808_55.0309.C15
Gene No.	94400	Strand	
Start	2638	End	4047
Name	OJ990808_55.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	2638	End	4047
GI	none	Score	185
Exons	2638..2775, 2639..2776, 2849..2980, 2851..2976, 3071..3124, 3072..3134, 3506..3571, 3507..3572, 3509..3586, 3511..3585, 3983..4045, 3993..4046, 3999..4046, 4000..4047		

Seq. No.	44744	Seq. ID	OJ990808_55.0309.C15
Gene No.	94400	Strand	
Start	2638	End	4047
Name	OJ990808_55.0309.C15.o1.ts	Method	TBLASTX:Soybean
Start	2674	End	4045
GI	none	Score	96
Exons	2674..2775, 2684..2776, 2849..2974, 2851..2976, 3058..3102, 3059..3124, 3506..3571, 3515..3586, 3992..4045		

Seq. No.	44745	Seq. ID	OJ990808_55.0309.C16
Gene No.	94401	Strand	+
Start	126	End	607
Name	OJ990808_55.0309.C16.o1.gp	Method	AAT/GAP
Start	126	End	561
GI	uC-osflcyp067a05a1	Score	854
Exons	126..561		
GI Descrip.	'407940 2.0e-16 (U02495) epoxide hydrolase [Solanum tuberosum]'		

Seq. No.	44745	Seq. ID	OJ990808_55.0309.C16
Gene No.	94401	Strand	+
Start	126	End	607
Name	OJ990808_55.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	328	End	604
GI	none	Score	273
Exons	328..603, 347..592, 349..603, 350..604		

Seq. No.	44745	Seq. ID	OJ990808_55.0309.C16
Gene No.	94401	Strand	+
Start	126	End	607

Name	OJ990808_55.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	346	End	597
GI	none	Score	132
Exons	346..597, 349..597		

Seq. No.	44745	Seq. ID	OJ990808_55.0309.C16
Gene No.	94401	Strand	+
Start	126	End	607
Name	OJ990808_55.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	346	End	603
GI	none	Score	139
Exons	346..603, 349..600		

Seq. No.	44745	Seq. ID	OJ990808_55.0309.C16
Gene No.	94401	Strand	+
Start	126	End	607
Name	OJ990808_55.0309.C16.o1.tw	Method	TBLASTX:Wheat
Start	349	End	607
GI	none	Score	133
Exons	349..603, 349..603, 371..607, 464..604		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	3	End	5961
GI	none	Score	38
Exons	3..98, 913..981, 915..980, 993..1136, 993..1085, 3704..4039, 3705..3770, 3840..3992, 3884..4024, 4091..4213, 4092..4199, 5752..5961, 5754..5960, 5878..5961		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o2.tc	Method	TBLASTX:Cress
Start	3	End	4042
GI	none	Score	84
Exons	3..95, 3704..4042, 3834..3989		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	3	End	6851
GI	none	Score	111
Exons	3..92, 915..1082, 919..1080, 996..1100, 1064..1099, 1227..1397, 1228..1398, 1401..1463, 1402..1458, 3704..4042, 3864..3992, 5754..5816, 5847..5966, 5848..6015, 6615..6770, 6616..6765, 6807..6851, 6814..6846		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	921	End	6845
GI	none	Score	95
Exons	921..947, 951..1085, 970..1125, 1072..1104, 1227..1412,		

1228..1416, 1404..1457, 5760..5786, 5833..5955, 5853..5960,
5868..5957, 6056..6088, 6615..6770, 6616..6765, 6807..6845

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o2.tm	Method	TBLASTX:Maize
Start	1227	End	6851
GI	none	Score	341
Exons	1227..1475, 1228..1476, 6615..6851, 6616..6846		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o3.tw	Method	TBLASTX:Wheat
Start	1251	End	6770
GI	none	Score	170
Exons	1251..1412, 1252..1416, 6630..6770, 6640..6765, 6717..6770		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	3704	End	4000
GI	none	Score	109
Exons	3704..4000, 3840..3992		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o1.gp	Method	AAT/GAP
Start	9364	End	9851
GI	uC-osflcyp162a07a1	Score	682
Exons	9364..9591, 9691..9851		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o2.tw	Method	TBLASTX:Wheat
Start	9432	End	9788
GI	none	Score	288
Exons	9432..9788, 9440..9610, 9647..9787		

Seq. No.	44746	Seq. ID	OJ990808_55.0309.C17
Gene No.	94402	Strand	-
Start	9364	End	9959
Name	OJ990808_55.0309.C17.o3.tm	Method	TBLASTX:Maize
Start	9669	End	9959
GI	none	Score	207
Exons	9669..9932, 9695..9856, 9897..9959		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94403	Strand	-
Start	158	End	589
Name	OJ990808_55.0309.C18.o1.gp	Method	AAT/GAP

Start	158	End	589
GI	2428185	Score	721
Exons	158..589		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94404	Strand	
Start	5606	End	6206
Name	OJ990808_55.0309.C18.o6.tw	Method	TBLASTX:Wheat
Start	5606	End	6206
GI	none	Score	71
Exons	5606..5731, 5610..5729, 5918..6205, 5925..6065, 5979..6206, 6105..6203		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94405	Strand	
Start	6209	End	6727
Name	OJ990808_55.0309.C18.o3.tw	Method	TBLASTX:Wheat
Start	6209	End	6590
GI	none	Score	192
Exons	6209..6589, 6222..6488, 6534..6590		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94405	Strand	
Start	6209	End	6727
Name	OJ990808_55.0309.C18.o3.tm	Method	TBLASTX:Maize
Start	6393	End	6727
GI	none	Score	168
Exons	6393..6533, 6394..6585, 6404..6727, 6417..6608		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o5.tw	Method	TBLASTX:Wheat
Start	6986	End	10612
GI	none	Score	53
Exons	6986..7057, 10271..10522, 10305..10523, 10519..10608, 10520..10612		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o3.ts	Method	TBLASTX:Soybean
Start	6997	End	7563
GI	5666795	Score	56
Exons	6997..7185, 7234..7371, 7465..7563		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o4.tw	Method	TBLASTX:Wheat
Start	7234	End	7686
GI	none	Score	94
Exons	7234..7386, 7235..7375, 7445..7666, 7465..7686		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o1.ts	Method	TBLASTX:Soybean
Start	8038	End	8408
GI	none	Score	73
Exons	8038..8088, 8070..8408, 8287..8394		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o2.tw	Method	TBLASTX:Wheat
Start	8082	End	8486
GI	none	Score	274
Exons	8082..8486, 8119..8481		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o2.tm	Method	TBLASTX:Maize
Start	8160	End	8544
GI	none	Score	148
Exons	8160..8543, 8287..8544		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	8571	End	8927
GI	none	Score	190
Exons	8571..8927, 8581..8886		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o1.tw	Method	TBLASTX:Wheat
Start	8595	End	9057
GI	none	Score	319
Exons	8595..9056, 8596..9057		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o2.ts	Method	TBLASTX:Soybean
Start	8652	End	9017
GI	none	Score	113
Exons	8652..8786, 8793..9017		

Seq. No.	44747	Seq. ID	OJ990808_55.0309.C18
Gene No.	94406	Strand	
Start	6986	End	10612
Name	OJ990808_55.0309.C18.o7.tw	Method	TBLASTX:Wheat
Start	9165	End	9484
GI	none	Score	107
Exons	9165..9404, 9184..9402, 9409..9477, 9410..9484		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19

Gene No.	94407	Strand	-
Start	1330	End	1794
Name	OJ990808_55.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	1139	End	1735
GI	none	Score	252
Exons	1139..1435, 1139..1534, 1140..1535, 1436..1735, 1551..1679		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19
Gene No.	94407	Strand	-
Start	1330	End	1794
Name	OJ990808_55.0309.C19.o1.gp	Method	AAT/GAP
Start	1330	End	1794
GI	29419_1.R1084	Score	914
Exons	1330..1794		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19
Gene No.	94408	Strand	
Start	6421	End	10663
Name	OJ990808_55.0309.C19.o1.tc	Method	TBLASTX:Cress
Start	6421	End	10361
GI	none	Score	101
Exons	6421..6594, 6428..6586, 6593..6727, 6594..6728, 10064..10360, 10065..10178, 10275..10361		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19
Gene No.	94408	Strand	
Start	6421	End	10663
Name	OJ990808_55.0309.C19.o1.ts	Method	TBLASTX:Soybean
Start	6421	End	10361
GI	none	Score	104
Exons	6421..6594, 6422..6592, 6593..6727, 6639..6728, 7039..7083, 10064..10360, 10260..10361		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19
Gene No.	94408	Strand	
Start	6421	End	10663
Name	OJ990808_55.0309.C19.o2.tm	Method	TBLASTX:Maize
Start	6424	End	10663
GI	none	Score	64
Exons	6424..6594, 6427..6501, 6434..6592, 6587..6727, 6600..6746, 7039..7083, 10058..10240, 10059..10208, 10232..10360, 10248..10361, 10613..10663		

Seq. No.	44748	Seq. ID	OJ990808_55.0309.C19
Gene No.	94408	Strand	
Start	6421	End	10663
Name	OJ990808_55.0309.C19.o1.tw	Method	TBLASTX:Wheat
Start	6426	End	10657
GI	none	Score	35
Exons	6426..6479, 6475..6594, 6476..6589, 6590..6727, 6593..6727, 6597..6746, 6829..6852, 7039..7083, 7043..7084, 7130..7204, 10106..10360, 10113..10208, 10260..10361, 10613..10657		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94412	Strand	

Start	1	End	184
Name	OJ990308_11.0307.C2.o5.tw	Method	TBLASTX:Wheat
Start	1	End	184
GI	none	Score	177
Exons	1..183, 2..184		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	413	End	3098
GI	none	Score	68
Exons	413..505, 508..843, 510..842, 2890..3030, 3006..3098		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	516	End	873
GI	none	Score	417
Exons	516..872, 517..873		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o2.tm	Method	TBLASTX:Maize
Start	900	End	1283
GI	none	Score	377
Exons	900..1283, 1013..1270		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o2.tw	Method	TBLASTX:Wheat
Start	957	End	1360
GI	none	Score	339
Exons	957..1283, 1013..1291, 1013..1270, 1286..1360		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	1035	End	1360
GI	none	Score	195
Exons	1035..1283, 1052..1195, 1295..1360, 1309..1359		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o3.tw	Method	TBLASTX:Wheat
Start	1366	End	1795
GI	none	Score	261
Exons	1366..1788, 1376..1795		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206

Name	OJ990308_11.0307.C2.o5.tm	Method	TBLASTX:Maize
Start	1993	End	2261
GI	none	Score	183
Exons	1993..2223, 2214..2261		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o4.tw	Method	TBLASTX:Wheat
Start	2241	End	2621
GI	none	Score	188
Exons	2241..2528, 2339..2482, 2547..2621		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o3.tm	Method	TBLASTX:Maize
Start	2262	End	2624
GI	none	Score	360
Exons	2262..2624, 2296..2562, 2360..2623, 2502..2624		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o2.ts	Method	TBLASTX:Soybean
Start	2265	End	2639
GI	none	Score	98
Exons	2265..2408, 2291..2410, 2414..2623, 2415..2639		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o6.tw	Method	TBLASTX:Wheat
Start	2622	End	3206
GI	none	Score	88
Exons	2622..2729, 2757..2888, 3099..3206		

Seq. No.	44749	Seq. ID	OJ990308_11.0307.C2
Gene No.	94413	Strand	
Start	413	End	3206
Name	OJ990308_11.0307.C2.o4.tm	Method	TBLASTX:Maize
Start	2655	End	2896
GI	none	Score	200
Exons	2655..2891, 2660..2758, 2837..2896		

Seq. No.	44750	Seq. ID	OJ990308_11.0307.C7
Gene No.	94414	Strand	-
Start	489	End	1568
Name	OJ990308_11.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	6	End	477
GI	none	Score	106
Exons	6..146, 6..449, 7..444, 228..449, 268..477		

Seq. No.	44750	Seq. ID	OJ990308_11.0307.C7
Gene No.	94414	Strand	-
Start	489	End	1568
Name	OJ990308_11.0307.C7.o1.ts	Method	TBLASTX:Soybean

Start	141	End	548
GI	none	Score	83
Exons	141..377, 142..333, 381..548, 385..543		

Seq. No.	44750	Seq. ID	OJ990308_11.0307.C7
Gene No.	94414	Strand	-
Start	489	End	1568
Name	OJ990308_11.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	246	End	591
GI	none	Score	90
Exons	246..350, 246..587, 253..591, 529..588		

Seq. No.	44750	Seq. ID	OJ990308_11.0307.C7
Gene No.	94414	Strand	-
Start	489	End	1568
Name	OJ990308_11.0307.C7.o1.gp	Method	AAT/GAP
Start	489	End	1568
GI	1631472	Score	584
Exons	489..584, 1139..1285, 1471..1568		
GI Descrip.	3297810/emb|CAA19868.1| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	44751	Seq. ID	OJ990308_11.0307.C9
Gene No.	94415	Strand	-
Start	604	End	1367
Name	OJ990308_11.0307.C9.o1.gp	Method	AAT/GAP
Start	604	End	1367
GI	none	Score	705
Exons	604..755, 1016..1050, 1158..1367		

Seq. No.	44751	Seq. ID	OJ990308_11.0307.C9
Gene No.	94415	Strand	-
Start	604	End	1367
Name	OJ990308_11.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	609	End	755
GI	none	Score	149
Exons	609..755, 609..755		

Seq. No.	44752	Seq. ID	OJ990308_11.0307.C12
Gene No.	94416	Strand	
Start	13	End	673
Name	OJ990308_11.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	13	End	673
GI	none	Score	88
Exons	13..192, 218..436, 232..501, 455..673		

Seq. No.	44753	Seq. ID	OJ990308_11.0307.C13
Gene No.	94417	Strand	
Start	3	End	831
Name	OJ990308_11.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	831
GI	none	Score	186
Exons	3..116, 556..606, 595..825, 607..819, 671..820, 808..831		

Seq. No.	44753	Seq. ID	OJ990308_11.0307.C13
Gene No.	94417	Strand	
Start	3	End	831

Name	OJ990308_11.0307.C13.o2.tw	Method	TBLASTX:Wheat
Start	3	End	137
GI	none	Score	147
Exons	3..116, 4..117, 36..137		

Seq. No.	44753	Seq. ID	OJ990308_11.0307.C13
Gene No.	94417	Strand	
Start	3	End	831
Name	OJ990308_11.0307.C13.o1.ts	Method	TBLASTX:Soybean
Start	3	End	819
GI	none	Score	72
Exons	3..149, 37..153, 556..819, 557..808, 559..810		

Seq. No.	44753	Seq. ID	OJ990308_11.0307.C13
Gene No.	94417	Strand	
Start	3	End	831
Name	OJ990308_11.0307.C13.o1.tc	Method	TBLASTX:Cress
Start	12	End	825
GI	none	Score	81
Exons	12..185, 34..150, 607..813, 608..814, 622..825		

Seq. No.	44753	Seq. ID	OJ990308_11.0307.C13
Gene No.	94417	Strand	
Start	3	End	831
Name	OJ990308_11.0307.C13.o1.tw	Method	TBLASTX:Wheat
Start	584	End	825
GI	none	Score	176
Exons	584..820, 586..825, 586..819, 725..820		

Seq. No.	44754	Seq. ID	OJ990308_11.0307.C15
Gene No.	94418	Strand	+
Start	5657	End	5744
Name	OJ990308_11.0307.C15.o2.tm	Method	TBLASTX:Maize
Start	1921	End	3338
GI	none	Score	65
Exons	1921..1974, 3013..3069, 3026..3067, 3069..3128, 3075..3131, 3076..3129, 3132..3170, 3132..3179, 3133..3186, 3248..3337, 3249..3338		

Seq. No.	44754	Seq. ID	OJ990308_11.0307.C15
Gene No.	94418	Strand	+
Start	5657	End	5744
Name	OJ990308_11.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	5164	End	5734
GI	none	Score	60
Exons	5164..5202, 5165..5215, 5314..5397, 5325..5411, 5327..5422, 5328..5408, 5488..5559, 5648..5734		

Seq. No.	44754	Seq. ID	OJ990308_11.0307.C15
Gene No.	94418	Strand	+
Start	5657	End	5744
Name	OJ990308_11.0307.C15.o1.gp	Method	AAT/GAP
Start	5657	End	5744
GI	2280847	Score	135
Exons	5657..5744		

Seq. No.	44755	Seq. ID	OJ990308_11.0307.C16

Gene No.	94419	Strand	+
Start	1	End	591
Name	OJ990308_11.0307.C16.o1.gp	Method	AAT/GAP
Start	1	End	385
GI	2280847	Score	401
Exons	1..48, 140..385		

Seq. No.	44755	Seq. ID	OJ990308_11.0307.C16
Gene No.	94419	Strand	+
Start	1	End	591
Name	OJ990308_11.0307.C16.o2.gp	Method	AAT/GAP
Start	217	End	591
GI	4969076	Score	626
Exons	217..591		

Seq. No.	44756	Seq. ID	OJ990308_11.0307.C23
Gene No.	94420	Strand	-
Start	73	End	588
Name	OJ990308_11.0307.C23.o1.gp	Method	AAT/GAP
Start	73	End	588
GI	uC-osf1M202048c12b1	Score	714
Exons	73..588		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	44756	Seq. ID	OJ990308_11.0307.C23
Gene No.	94421	Strand	-
Start	1046	End	1350
Name	OJ990308_11.0307.C23.o2.gp	Method	AAT/GAP
Start	1046	End	1350
GI	61605_3.R1084	Score	424
Exons	1046..1350		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	44757	Seq. ID	OJ990308_11.0307.C35
Gene No.	94422	Strand	-
Start	452	End	871
Name	OJ990308_11.0307.C35.o1.gp	Method	AAT/GAP
Start	452	End	732
GI	none	Score	527
Exons	452..732		

Seq. No.	44757	Seq. ID	OJ990308_11.0307.C35
Gene No.	94422	Strand	-
Start	452	End	871
Name	OJ990308_11.0307.C35.o1.ts	Method	TBLASTX:Soybean
Start	604	End	871
GI	none	Score	82
Exons	604..735, 605..700, 821..871		

Seq. No.	44758	Seq. ID	OJ990308_11.0307.C43
Gene No.	94423	Strand	
Start	3	End	281
Name	OJ990308_11.0307.C43.o1.tw	Method	TBLASTX:Wheat
Start	3	End	281
GI	none	Score	467

Exons	3..281, 3..269		
Seq. No.	44758	Seq. ID	OJ990308_11.0307.C43
Gene No.	94423	Strand	
Start	3	End	281
Name	OJ990308_11.0307.C43.o2.tm	Method	TBLASTX:Maize
Start	3	End	197
GI	none	Score	298
Exons	3..197, 3..191, 5..193		
Seq. No.	44758	Seq. ID	OJ990308_11.0307.C43
Gene No.	94424	Strand	
Start	204	End	816
Name	OJ990308_11.0307.C43.o1.tm	Method	TBLASTX:Maize
Start	204	End	816
GI	none	Score	411
Exons	204..449, 207..443, 242..466, 453..548, 454..501, 775..816		
Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o2.ts	Method	TBLASTX:Soybean
Start	1	End	988
GI	none	Score	151
Exons	1..111, 2..229, 224..397, 443..526, 530..625, 577..594, 641..742, 770..988, 784..987		
Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1084
GI	none	Score	166
Exons	2..286, 179..286, 212..346, 263..406, 304..372, 461..532, 624..656, 643..717, 644..742, 773..1084, 802..1068, 908..1024		
Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o1.tm	Method	TBLASTX:Maize
Start	10	End	1045
GI	none	Score	161
Exons	10..144, 11..277, 209..373, 320..388, 452..529, 665..1045, 667..1044		
Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o2.tc	Method	TBLASTX:Cress
Start	14	End	748
GI	none	Score	147
Exons	14..277, 107..214, 203..379, 211..345, 212..406, 452..517, 530..625, 650..748		
Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555

Name	OJ990308_11.0307.C50.o2.tm	Method	TBLASTX:Maize
Start	536	End	1501
GI	none	Score	61
Exons	536..628, 1055..1501, 1108..1500		

Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o1.tc	Method	TBLASTX:Cress
Start	794	End	1498
GI	none	Score	41
Exons	794..826, 796..825, 875..1498, 880..1026, 923..1228		

Seq. No.	44759	Seq. ID	OJ990308_11.0307.C50
Gene No.	94425	Strand	
Start	1	End	1555
Name	OJ990308_11.0307.C50.o1.ts	Method	TBLASTX:Soybean
Start	1022	End	1555
GI	none	Score	417
Exons	1022..1555		

Seq. No.	44760	Seq. ID	OJ990308_11.0307.C58
Gene No.	94426	Strand	+
Start	1	End	1858
Name	OJ990308_11.0307.C58.o1.gp	Method	AAT/GAP
Start	1	End	1858
GI	775_2.R1084	Score	1785
Exons	1..50, 156..218, 309..410, 608..732, 861..1071, 1159..1233, 1495..1858		
GI Descrip.	'2384760 0.0e+00 (AF016897) GDP dissociation inhibitor protein OsGDI2 [Oryza sativa]'		

Seq. No.	44760	Seq. ID	OJ990308_11.0307.C58
Gene No.	94426	Strand	+
Start	1	End	1858
Name	OJ990308_11.0307.C58.o1.tw	Method	TBLASTX:Wheat
Start	1	End	938
GI	none	Score	90
Exons	1..51, 3..50, 3..53, 106..225, 117..221, 152..226, 302..412, 307..411, 308..415, 309..413, 578..733, 593..733, 607..801, 607..744, 855..938, 862..936		

Seq. No.	44760	Seq. ID	OJ990308_11.0307.C58
Gene No.	94426	Strand	+
Start	1	End	1858
Name	OJ990308_11.0307.C58.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1236
GI	none	Score	90
Exons	3..50, 117..221, 153..221, 154..225, 161..226, 306..398, 307..411, 308..415, 309..413, 593..733, 605..733, 607..735, 628..735, 690..746, 855..1085, 862..1095, 1158..1235, 1158..1235, 1159..1236		

Seq. No.	44760	Seq. ID	OJ990308_11.0307.C58
Gene No.	94426	Strand	+
Start	1	End	1858
Name	OJ990308_11.0307.C58.o1.tc	Method	TBLASTX:Cress

Start	5	End	1241
GI	none	Score	36
Exons	5..31, 6..50, 13..51, 117..221, 161..226, 308..415, 309..413, 578..733, 593..733, 607..735, 607..744, 855..1148, 862..1095, 1157..1231, 1158..1232, 1158..1241, 1159..1233		

Seq. No.	44760	Seq. ID	OJ990308_11.0307.C58
Gene No.	94426	Strand	+
Start	1	End	1858
Name	OJ990308_11.0307.C58.o1.tm	Method	TBLASTX:Maize
Start	189	End	1572
GI	none	Score	50
Exons	189..215, 310..411, 311..412, 311..415, 312..413, 593..733, 607..801, 607..744, 672..767, 820..975, 855..1094, 862..1095, 1158..1241, 1159..1233, 1492..1572		

Seq. No.	44761	Seq. ID	OJ990308_11.0307.C66
Gene No.	94427	Strand	-
Start	2085	End	2508
Name	OJ990308_11.0307.C66.o1.gp	Method	AAT/GAP
Start	2085	End	2508
GI	LIB3477-006-P1-K1-D4	Score	805
Exons	2085..2508		
GI Descrip.	'3297810/emb|CAA19868.1| 5.0e-17 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	44762	Seq. ID	OJ990308_11.0307.C69
Gene No.	94428	Strand	
Start	153	End	685
Name	OJ990308_11.0307.C69.o1.tc	Method	TBLASTX:Cress
Start	153	End	685
GI	none	Score	106
Exons	153..350, 444..503, 599..685		

Seq. No.	44763	Seq. ID	OJ990818_13.0317.C2
Gene No.	94429	Strand	+
Start	1973	End	2152
Name	OJ990818_13.0317.C2.o1.gp	Method	AAT/GAP
Start	1973	End	2152
GI	none	Score	315
Exons	1973..2152		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94430	Strand	+
Start	1	End	249
Name	OJ990818_13.0317.C3.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	none	Score	136
Exons	1..61, 223..249		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94431	Strand	+
Start	334	End	3443
Name	OJ990818_13.0317.C3.o1.gs	Method	GENSCAN
Start	334	End	3443
GI	none	Score	.86
Exons	334..486, 1264..1396, 1577..1787, 1865..2102, 2354..2504,		

2703..3053, 3288..3443

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94431	Strand	+
Start	334	End	3443
Name	OJ990818_13.0317.C3.o1.np	Method	AAT/NAP
Start	1245	End	3065
GI	6403501	Score	948
Exons	1245..1396, 1577..1787, 1865..2102, 2354..2507, 2703..3065		
GI Descrip.	(AC010871) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	1292	End	2504
GI	none	Score	93
Exons	1292..1396, 1576..1827, 1577..1792, 1864..2103, 1881..2102, 2351..2461, 2355..2504		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	1310	End	2864
GI	none	Score	86
Exons	1310..1396, 1576..1827, 1577..1807, 1866..2102, 1867..2103, 2351..2509, 2355..2504, 2790..2864		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	1576	End	2019
GI	none	Score	210
Exons	1576..1833, 1577..1789, 1875..2012, 1882..2019, 1891..2013		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	1637	End	3068
GI	none	Score	244
Exons	1637..1792, 1644..1787, 1645..1788, 1649..1792, 1869..2102, 1870..2103, 1875..2102, 1891..2103, 2286..2504, 2314..2424, 2353..2508, 2355..2504, 2455..2505, 2703..3068, 2703..2945, 2944..3018, 3023..3067		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.gp	Method	AAT/GAP
Start	4335	End	5492
GI	90_1.R1084	Score	1247
Exons	4335..4971, 5372..5492		
GI Descrip.	'5360659/dbj|BAA82095.1| 0.0e+00 (AB022603) anthranilate synthase alpha 2 subunit [Oryza sativa]'		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	4543	End	5466
GI	none	Score	70
Exons	4543..4647, 4545..4628, 4642..4974, 4645..4968, 4784..4975, 5348..5458, 5357..5458, 5370..5459, 5371..5466, 5371..5460		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.gs	Method	GENSCAN
Start	4645	End	5482
GI	none	Score	1
Exons	4645..4971, 5372..5482		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.np	Method	AAT/NAP
Start	4648	End	5492
GI	5360659	Score	649
Exons	4648..4971, 5372..5492		
GI Descrip.	(AB022603) anthranilate synthase alpha 2 subunit [Oryza sativa]		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.tc	Method	TBLASTX:Cress
Start	4651	End	4975
GI	none	Score	100
Exons	4651..4863, 4669..4842, 4831..4968, 4844..4975, 4905..4973		

Seq. No.	44764	Seq. ID	OJ990818_13.0317.C3
Gene No.	94432	Strand	-
Start	4335	End	5492
Name	OJ990818_13.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	4651	End	4962
GI	none	Score	169
Exons	4651..4962, 4669..4962		

Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94433	Strand	+
Start	89	End	205
Name	OJ990818_13.0317.C6.o1.gp	Method	AAT/GAP
Start	89	End	205
GI	none	Score	181
Exons	89..205		

Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94434	Strand	+
Start	150	End	743
Name	OJ990818_13.0317.C6.o1.gs	Method	GENSCAN
Start	150	End	743
GI	none	Score	.97

Exons	150..263, 684..743		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94434	Strand	+
Start	150	End	743
Name	OJ990818_13.0317.C6.o2.gp	Method	AAT/GAP
Start	197	End	659
GI	none	Score	718
Exons	197..263, 346..659		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o2.gs	Method	GENSCAN
Start	2578	End	5802
GI	none	Score	.48
Exons	2578..2623, 3043..3149, 3319..3389, 3479..3576, 3691..3989, 5415..5802		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o3.gp	Method	AAT/GAP
Start	3283	End	4151
GI	none	Score	1259
Exons	3283..3389, 3479..3576, 3691..4151		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	3285	End	5891
GI	none	Score	57
Exons	3285..3317, 3286..3315, 3368..3397, 3373..3396, 3476..3568, 3477..3512, 3676..3705, 3690..3854, 3731..3829, 3757..3864, 3772..3858, 3865..3975, 3865..3981, 3882..3989, 3939..3989, 5411..5890, 5412..5891, 5412..5858, 5413..5889		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o1.np	Method	AAT/NAP
Start	3498	End	5942
GI	6760451	Score	709
Exons	3498..3595, 3663..3858, 3886..3989, 5415..5942		
GI Descrip.	(AF223395) S-ribonuclease binding protein SBP1 [Petunia x hybrida]		
Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	3817	End	5675
GI	none	Score	63
Exons	3817..3867, 3817..3918, 3862..3990, 3865..3987, 5412..5675, 5412..5675		

Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	5412	End	5777
GI	none	Score	108
Exons	5412..5522, 5412..5516, 5481..5660, 5514..5699, 5516..5680, 5539..5706, 5673..5777, 5673..5759		

Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o4.gp	Method	AAT/GAP
Start	5435	End	6098
GI	12487_1.R1084	Score	1254
Exons	5435..6098		
GI Descrip.	'2462754 5.0e-21 (AC002292) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	44765	Seq. ID	OJ990818_13.0317.C6
Gene No.	94435	Strand	+
Start	2578	End	6098
Name	OJ990818_13.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	5535	End	5945
GI	none	Score	140
Exons	5535..5660, 5542..5649, 5547..5654, 5567..5656, 5679..5741, 5775..5945		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94436	Strand	+
Start	1878	End	10995
Name	OJ990818_13.0317.C7.o1.gs	Method	GENSCAN
Start	1878	End	10995
GI	none	Score	.47
Exons	1878..2031, 2147..4891, 5889..5925, 6013..6166, 6178..6325, 9090..9170, 9988..10287, 10523..10630, 10988..10995		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94436	Strand	+
Start	1878	End	10995
Name	OJ990818_13.0317.C7.o1.np	Method	AAT/NAP
Start	2449	End	4965
GI	2388582	Score	2700
Exons	2449..2828, 2892..4965		
GI Descrip.	(AC000098) Contains similarity to Rattus O-GlcNAc transferase (gb|U76557). [Arabidopsis thaliana]		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94436	Strand	+
Start	1878	End	10995
Name	OJ990818_13.0317.C7.o1.gp	Method	AAT/GAP
Start	4153	End	4527
GI	LIB3433-003-Q6-K6-H8	Score	715
Exons	4153..4527		
GI Descrip.	'2388582 1.0e-45 (AC000098) Contains similarity to Rattus O-GlcNAc transferase (gb_U76557). [Arabidopsis thaliana]'		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94437	Strand	+
Start	13207	End	13302
Name	OJ990818_13.0317.C7.o5.gp	Method	AAT/GAP
Start	13207	End	13302
GI	uC-osflcyp022c06b2	Score	144
Exons	13207..13302		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94438	Strand	+
Start	14208	End	14483
Name	OJ990818_13.0317.C7.o4.np	Method	AAT/NAP
Start	14208	End	14483
GI	7340909	Score	130
Exons	14208..14483		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94439	Strand	-
Start	7118	End	8752
Name	OJ990818_13.0317.C7.o3.gp	Method	AAT/GAP
Start	7118	End	7771
GI	none	Score	453
Exons	7118..7275, 7642..7771		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94439	Strand	-
Start	7118	End	8752
Name	OJ990818_13.0317.C7.o3.np	Method	AAT/NAP
Start	7323	End	8752
GI	137047	Score	99
Exons	7323..7389, 7627..7812, 7913..8098, 8599..8752		
GI Descrip.	UOG-1 PROTEIN gi|109862|pir||B39364 GDF-1 embryonic growth factor 5' hypothetical protein - mouse gi|193459 (M62301) ORF [Mus musculus]		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94440	Strand	-
Start	8731	End	10460
Name	OJ990818_13.0317.C7.o4.gp	Method	AAT/GAP
Start	8731	End	10460
GI	none	Score	830
Exons	8731..8754, 9196..9404, 10227..10460		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o4.tc	Method	TBLASTX:Cress
Start	2473	End	2721
GI	none	Score	234
Exons	2473..2640, 2488..2637, 2565..2639, 2683..2721		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356

Name	OJ990818_13.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	3130	End	3548
GI	none	Score	447
Exons	3130..3546, 3252..3548		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	3484	End	5220
GI	none	Score	75
Exons	3484..3651, 3487..3792, 3505..4686, 3507..4016, 3973..4674, 4418..4684, 4677..5012, 4677..5012, 4678..5013, 4679..5014, 5018..5110, 5020..5220		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o2.ts	Method	TBLASTX:Soybean
Start	3484	End	4036
GI	none	Score	75
Exons	3484..3654, 3589..3864, 3656..3910, 3682..3915, 3683..3910, 3685..4017, 3687..4016, 3983..4036		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	4063	End	4434
GI	none	Score	413
Exons	4063..4434, 4077..4433		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o3.ts	Method	TBLASTX:Soybean
Start	4212	End	4512
GI	none	Score	59
Exons	4212..4262, 4213..4272, 4267..4344, 4306..4512, 4317..4502, 4318..4512		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	4278	End	4710
GI	none	Score	120
Exons	4278..4376, 4278..4502, 4279..4653, 4279..4689, 4551..4700, 4653..4709, 4653..4709, 4654..4710, 4654..4710		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	4540	End	4952
GI	none	Score	528
Exons	4540..4947, 4552..4935, 4554..4952		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o3.tc	Method	TBLASTX:Cress
Start	4597	End	4911
GI	none	Score	42
Exons	4597..4629, 4639..4911, 4653..4850, 4718..4903		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o5.tc	Method	TBLASTX:Cress
Start	7641	End	8101
GI	none	Score	98
Exons	7641..7769, 7643..7777, 7644..7769, 7908..8096, 7913..8101, 8005..8097		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	7670	End	8054
GI	none	Score	195
Exons	7670..7822, 7671..7823, 7913..8053, 7920..8054, 7923..8054		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o4.ts	Method	TBLASTX:Soybean
Start	8038	End	9314
GI	none	Score	82
Exons	8038..8094, 8592..8756, 8602..8751, 9207..9314		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	8056	End	8749
GI	none	Score	193
Exons	8056..8097, 8592..8747, 8596..8748, 8600..8749		

Seq. No.	44766	Seq. ID	OJ990818_13.0317.C7
Gene No.	94441	Strand	-
Start	11378	End	14356
Name	OJ990818_13.0317.C7.o2.gs	Method	GENSCAN
Start	11378	End	14356
GI	none	Score	.41
Exons	11378..11449, 11545..11849, 12599..12679, 14350..14356		

Seq. No.	44767	Seq. ID	OJ990818_13.0317.C8
Gene No.	94442	Strand	-
Start	1	End	165
Name	OJ990818_13.0317.C8.o1.np	Method	AAT/NAP
Start	1	End	165
GI	7340909	Score	53
Exons	1..165		

GI Descrip. (AP001550) hypothetical protein [Oryza sativa]

Seq. No.	44767	Seq. ID	OJ990818_13.0317.C8
Gene No.	94443	Strand	-
Start	102	End	1199
Name	OJ990818_13.0317.C8.o1.gs	Method	GENSCAN
Start	102	End	1199
GI	none	Score	.77
Exons	102..250, 1148..1199		

Seq. No.	44768	Seq. ID	OJ990818_13.0317.C10
Gene No.	94444	Strand	-
Start	11	End	665
Name	OJ990818_13.0317.C10.o1.gs	Method	GENSCAN
Start	11	End	665
GI	none	Score	.83
Exons	11..117, 561..665		

Seq. No.	44769	Seq. ID	OJ990818_13.0317.C11
Gene No.	94445	Strand	-
Start	842	End	2209
Name	OJ990818_13.0317.C11.o1.gs	Method	GENSCAN
Start	842	End	2158
GI	none	Score	.45
Exons	842..1150, 2039..2158		

Seq. No.	44769	Seq. ID	OJ990818_13.0317.C11
Gene No.	94445	Strand	-
Start	842	End	2209
Name	OJ990818_13.0317.C11.o1.tc	Method	TBLASTX:Cress
Start	1823	End	2209
GI	none	Score	153
Exons	1823..1960, 1824..1958, 1827..1961, 1880..1960, 2037..2114, 2039..2209, 2043..2093		

Seq. No.	44769	Seq. ID	OJ990818_13.0317.C11
Gene No.	94445	Strand	-
Start	842	End	2209
Name	OJ990818_13.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	1825	End	2160
GI	none	Score	185
Exons	1825..1959, 1826..1960, 1827..1958, 1827..1961, 1880..1960, 2035..2160, 2038..2136, 2039..2143		

Seq. No.	44769	Seq. ID	OJ990818_13.0317.C11
Gene No.	94445	Strand	-
Start	842	End	2209
Name	OJ990818_13.0317.C11.o1.np	Method	AAT/NAP
Start	1829	End	2158
GI	3108209	Score	333
Exons	1829..1957, 2039..2158		

GI Descrip. (AF028809) eukaryotic cap-binding protein [Arabidopsis thaliana]

Seq. No.	44769	Seq. ID	OJ990818_13.0317.C11
Gene No.	94445	Strand	-
Start	842	End	2209
Name	OJ990818_13.0317.C11.o1.ts	Method	TBLASTX:Soybean

Start	1887	End	2143
GI	none	Score	65
Exons	1887..1958, 1889..1960, 2038..2142, 2039..2143, 2043..2093		

Seq. No.	44770	Seq. ID	OJ990818_13.0317.C12
Gene No.	94446	Strand	-
Start	58	End	274
Name	OJ990818_13.0317.C12.o1.gs	Method	GENSCAN
Start	58	End	274
GI	none	Score	.54
Exons	58..129, 218..274		

Seq. No.	44771	Seq. ID	OJ990818_13.0317.C15
Gene No.	94447	Strand	-
Start	1612	End	3358
Name	OJ990818_13.0317.C15.o1.gs	Method	GENSCAN
Start	1612	End	3358
GI	none	Score	.69
Exons	1612..1623, 2375..2488, 2762..2847, 3000..3111, 3176..3358		

Seq. No.	44772	Seq. ID	OJ990818_13.0317.C17
Gene No.	94448	Strand	+
Start	44	End	180
Name	OJ990818_13.0317.C17.o1.gs	Method	GENSCAN
Start	44	End	180
GI	none	Score	.48
Exons	44..180		

Seq. No.	44772	Seq. ID	OJ990818_13.0317.C17
Gene No.	94449	Strand	-
Start	2906	End	3502
Name	OJ990818_13.0317.C17.o2.gs	Method	GENSCAN
Start	2906	End	3502
GI	none	Score	.97
Exons	2906..3502		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94450	Strand	+
Start	4037	End	6995
Name	OJ990818_13.0317.C18.o1.np	Method	AAT/NAP
Start	4037	End	6995
GI	7489796	Score	1098
Exons	4037..4183, 4240..4388, 4509..4870, 4959..5002, 6390..6604, 6722..6846, 6935..6995		
GI Descrip.	phosphate transport protein, mitochondrial - maize gi|3318613|dbj|BAA31583.1| (AB016064) mitochondrial phosphate transporter [Zea mays]		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94451	Strand	-
Start	7796	End	10321
Name	OJ990818_13.0317.C18.o2.gs	Method	GENSCAN
Start	7796	End	10321
GI	none	Score	.82
Exons	7796..8017, 8065..8187, 8247..8321, 8402..8476, 8585..8650, 9143..9219, 9910..10079, 10170..10321		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94451	Strand	-
Start	7796	End	10321
Name	OJ990818_13.0317.C18.o2.np	Method	AAT/NAP
Start	7928	End	10321
GI	7488346	Score	872
Exons	7928..8140, 8247..8321, 8402..8476, 8585..8650, 9143..9219, 9910..10079, 10170..10321		
GI Descrip.	spliceosome-associated protein SAP62 homolog T26B15.16 - Arabidopsis thaliana gi|3298548|gb|AAC25942.1| (AC004681) putative spliceosome-associated protein [Arabidopsis thaliana]		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	4229	End	6971
GI	none	Score	85
Exons	4229..4387, 4257..4391, 4503..4871, 4504..4869, 4505..4870, 4506..4886, 4954..5001, 4960..5001, 4976..5005, 5056..5082, 6380..6604, 6385..6603, 6441..6623, 6556..6723, 6722..6847, 6737..6847, 6912..6971, 6935..6970		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o1.ts	Method	TBLASTX:Soybean
Start	4260	End	6847
GI	none	Score	89
Exons	4260..4391, 4262..4387, 4503..4871, 4505..4870, 4777..4872, 4960..5001, 6380..6604, 6385..6603, 6438..6626, 6722..6847, 6737..6847		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o1.tc	Method	TBLASTX:Cress
Start	4275	End	6968
GI	none	Score	81
Exons	4275..4391, 4289..4387, 4497..4592, 4503..4871, 4505..4870, 4960..5001, 6380..6604, 6385..6603, 6459..6620, 6722..6847, 6766..6843, 6912..6968		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o1.tw	Method	TBLASTX:Wheat
Start	4496	End	4989
GI	none	Score	489
Exons	4496..4870, 4497..4871, 4506..4886, 4960..4989		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o2.tm	Method	TBLASTX:Maize
Start	7735	End	10326
GI	none	Score	65

Exons	7735..7830, 7778..7837, 7880..7987, 7881..8090, 8081..8104, 8090..8137, 8108..8146, 8244..8339, 8250..8327, 8251..8331, 8251..8352, 8384..8482, 8399..8485, 8403..8507, 8412..8501, 8573..8662, 8582..8662, 8586..8663, 9136..9219, 9137..9220, 9140..9232, 9144..9248, 9911..10087, 9912..10082, 10166..10324, 10170..10325, 10264..10326		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o4.ts	Method	TBLASTX:Soybean
Start	8093	End	8611
GI	none	Score	49
Exons	8093..8137, 8250..8339, 8263..8319, 8399..8485, 8400..8483, 8585..8611		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o2.tw	Method	TBLASTX:Wheat
Start	8456	End	10363
GI	none	Score	111
Exons	8456..8485, 8573..8662, 8575..8664, 8582..8662, 9140..9220, 9140..9232, 9144..9251, 9911..10087, 9912..10082, 10166..10363, 10170..10361		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o3.ts	Method	TBLASTX:Soybean
Start	9140	End	10321
GI	none	Score	89
Exons	9140..9223, 9150..9221, 9161..9238, 9911..10036, 9918..10034, 9956..10087, 10038..10082, 10166..10321, 10170..10202		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o3.gs	Method	GENSCAN
Start	11869	End	13428
GI	none	Score	.84
Exons	11869..12312, 12651..12948, 13043..13428		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o3.np	Method	AAT/NAP
Start	11893	End	13423
GI	6996289	Score	1265
Exons	11893..11955, 11989..12312, 12405..12572, 12664..12948, 13043..13423		
GI Descrip.	(AL138659) putative protein [Arabidopsis thaliana]		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o4.tc	Method	TBLASTX:Cress

Start	11905	End	12078
GI	none	Score	63
Exons	11905..12078, 11909..11953, 12013..12078		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o3.tm	Method	TBLASTX:Maize
Start	11923	End	13170
GI	none	Score	85
Exons	11923..12075, 12109..12207, 12214..12285, 12404..12520, 12663..12890, 12679..12801, 12768..12881, 13084..13134, 13138..13170		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o3.tc	Method	TBLASTX:Cress
Start	12100	End	12517
GI	none	Score	79
Exons	12100..12207, 12113..12202, 12214..12288, 12233..12289, 12402..12491, 12402..12476, 12404..12517, 12407..12517		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o2.ts	Method	TBLASTX:Soybean
Start	12783	End	13287
GI	none	Score	75
Exons	12783..12947, 12868..12945, 13042..13101, 13043..13096, 13102..13203, 13207..13287		

Seq. No.	44773	Seq. ID	OJ990818_13.0317.C18
Gene No.	94452	Strand	-
Start	11869	End	13428
Name	OJ990818_13.0317.C18.o2.tc	Method	TBLASTX:Cress
Start	13051	End	13324
GI	none	Score	65
Exons	13051..13203, 13207..13320, 13229..13324		

Seq. No.	44774	Seq. ID	OJ990818_13.0317.C19
Gene No.	94453	Strand	+
Start	244	End	358
Name	OJ990818_13.0317.C19.o1.gs	Method	GENSCAN
Start	244	End	358
GI	none	Score	.93
Exons	244..358		

Seq. No.	44774	Seq. ID	OJ990818_13.0317.C19
Gene No.	94454	Strand	+
Start	464	End	526
Name	OJ990818_13.0317.C19.o1.gp	Method	AAT/GAP
Start	464	End	526
GI	none	Score	75
Exons	464..526		

Seq. No.	44775	Seq. ID	OJ990818_13.0317.C20

Gene No.	94455	Strand	-
Start	575	End	1079
Name	OJ990818_13.0317.C20.o1.gp	Method	AAT/GAP
Start	575	End	1079
GI	none	Score	478
Exons	575..840, 1017..1079		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94456	Strand	+
Start	4498	End	7676
Name	OJ990818_13.0317.C21.o1.np	Method	AAT/NAP
Start	4498	End	7676
GI	6907089	Score	4243
Exons	4498..5757, 5861..7676		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94456	Strand	+
Start	4498	End	7676
Name	OJ990818_13.0317.C21.o2.gs	Method	GENSCAN
Start	4498	End	5057
GI	none	Score	.96
Exons	4498..4627, 4694..4824, 4869..5057		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94457	Strand	-
Start	1	End	228
Name	OJ990818_13.0317.C21.o1.gp	Method	AAT/GAP
Start	1	End	228
GI	LIB3431-008-P1-K1-D9	Score	392
Exons	1..228		
GI Descrip.	'4249662 7.0e-10 (AF089810) Altered Response to Gravity [Arabidopsis thaliana]'		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94458	Strand	-
Start	701	End	3598
Name	OJ990818_13.0317.C21.o1.gs	Method	GENSCAN
Start	701	End	3598
GI	none	Score	.67
Exons	701..751, 869..973, 1598..1710, 1885..1931, 2302..2354, 2697..2867, 3252..3294, 3450..3598		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94458	Strand	-
Start	701	End	3598
Name	OJ990818_13.0317.C21.o2.gp	Method	AAT/GAP
Start	701	End	937
GI	572120	Score	204
Exons	701..751, 869..937		
GI Descrip.	4249662 7.0e-10 (AF089810) Altered Response to Gravity [Arabidopsis thaliana]		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94459	Strand	-
Start	8301	End	14767
Name	OJ990818_13.0317.C21.o4.gs	Method	GENSCAN

Start	8301	End	14767
GI	none	Score	.71
Exons	8301..11065, 11221..11673, 11728..12070, 12134..12253, 12277..14195, 14321..14507, 14561..14767		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94459	Strand	-
Start	8301	End	14767
Name	OJ990818_13.0317.C21.o2.np	Method	AAT/NAP
Start	8304	End	14489
GI	7228457	Score	8933
Exons	8304..9851, 9918..10727, 10776..11113, 11236..12070, 12134..14062, 14124..14489		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o4.tm	Method	TBLASTX:Maize
Start	698	End	1144
GI	none	Score	51
Exons	698..748, 699..752, 700..753, 701..754, 858..956, 866..970, 867..977, 1043..1117, 1043..1144		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o1.tc	Method	TBLASTX:Cress
Start	701	End	1143
GI	none	Score	115
Exons	701..754, 866..970, 870..977, 1043..1117, 1045..1143		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o2.tw	Method	TBLASTX:Wheat
Start	6925	End	11492
GI	none	Score	71
Exons	6925..7023, 11090..11491, 11091..11492		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o5.tm	Method	TBLASTX:Maize
Start	8301	End	8445
GI	none	Score	128
Exons	8301..8444, 8305..8445		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o6.tw	Method	TBLASTX:Wheat
Start	8313	End	8928
GI	none	Score	77
Exons	8313..8438, 8317..8439, 8469..8543, 8625..8774, 8632..8775,		

8680..8775, 8729..8782, 8794..8928, 8810..8908, 8850..8921

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o4.tw	Method	TBLASTX:Wheat
Start	8940	End	9294
GI	none	Score	182
Exons	8940..9293, 8944..9192, 8952..9290, 9217..9294		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o2.tm	Method	TBLASTX:Maize
Start	9088	End	9431
GI	none	Score	82
Exons	9088..9204, 9099..9311, 9108..9431, 9121..9402		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o8.tw	Method	TBLASTX:Wheat
Start	9624	End	9936
GI	none	Score	63
Exons	9624..9935, 9717..9923, 9760..9936		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o2.ts	Method	TBLASTX:Soybean
Start	9684	End	10250
GI	5666795	Score	69
Exons	9684..9923, 9939..10076, 10152..10250		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o5.tw	Method	TBLASTX:Wheat
Start	9939	End	10397
GI	none	Score	78
Exons	9939..10088, 9942..10079, 10122..10373, 10132..10308, 10143..10397		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o1.ts	Method	TBLASTX:Soybean
Start	11043	End	11413
GI	none	Score	95
Exons	11043..11090, 11090..11413, 11238..11396		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o3.tm	Method	TBLASTX:Maize
Start	11165	End	11549

GI	none	Score	220
Exons	11165..11548, 11184..11549		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o1.tm	Method	TBLASTX:Maize
Start	11576	End	11932
GI	none	Score	72
Exons	11576..11692, 11576..11932, 11586..11897		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o1.tw	Method	TBLASTX:Wheat
Start	11600	End	12062
GI	none	Score	216
Exons	11600..12061, 11606..12061, 11607..12062		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o3.ts	Method	TBLASTX:Soybean
Start	11657	End	12022
GI	none	Score	118
Exons	11657..11791, 11798..12022		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o3.tw	Method	TBLASTX:Wheat
Start	12254	End	12712
GI	none	Score	172
Exons	12254..12517, 12256..12711, 12256..12711, 12539..12712		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o7.tw	Method	TBLASTX:Wheat
Start	13450	End	13833
GI	none	Score	53
Exons	13450..13611, 13484..13606, 13615..13701, 13684..13782, 13685..13765, 13789..13833		

Seq. No.	44776	Seq. ID	OJ990818_13.0317.C21
Gene No.	94460	Strand	-
Start	14714	End	14767
Name	OJ990818_13.0317.C21.o3.np	Method	AAT/NAP
Start	14714	End	14767
GI	5042454	Score	66
Exons	14714..14767		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.gp	Method	AAT/GAP

Start	931	End	1268
GI	none	Score	634
Exons	931..1268		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.gs	Method	GENSCAN
Start	1021	End	1650
GI	none	Score	.99
Exons	1021..1650		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.np	Method	AAT/NAP
Start	1025	End	1701
GI	6598623	Score	521
Exons	1025..1290, 1321..1701		
GI Descrip.	(AC006837) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.tc	Method	TBLASTX:Cress
Start	1057	End	1653
GI	none	Score	80
Exons	1057..1146, 1110..1256, 1210..1260, 1335..1484, 1336..1653, 1381..1542, 1572..1652		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.ts	Method	TBLASTX:Soybean
Start	1335	End	1542
GI	none	Score	221
Exons	1335..1523, 1336..1542, 1381..1539		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o1.tm	Method	TBLASTX:Maize
Start	1417	End	1656
GI	none	Score	384
Exons	1417..1656, 1417..1545, 1419..1652		

Seq. No.	44777	Seq. ID	OJ990818_13.0317.C22
Gene No.	94461	Strand	+
Start	931	End	1732
Name	OJ990818_13.0317.C22.o2.gp	Method	AAT/GAP
Start	1454	End	1732
GI	none	Score	377
Exons	1454..1654, 1699..1732		

Seq. No.	44778	Seq. ID	OJ990818_13.0317.C23
Gene No.	94462	Strand	+
Start	5611	End	6767

Name	OJ990818_13.0317.C23.o2.gs	Method	GENSCAN
Start	5611	End	6767
GI	none	Score	.87
Exons	5611..5729, 6649..6767		

Seq. No.	44778	Seq. ID	OJ990818_13.0317.C23
Gene No.	94463	Strand	-
Start	1	End	192
Name	OJ990818_13.0317.C23.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	none	Score	332
Exons	1..192		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o1.np	Method	AAT/NAP
Start	1	End	2591
GI	7493160	Score	180
Exons	1..41, 794..918, 1301..1480, 2405..2591		
GI Descrip.	probable vacuolar protein sorting-associated pro tein - fission yeast (Schizosaccharomyces pombe) gi|3560143|emb|CAA20730.1| (AL031534) putative vacuolar protein sorting-associated protein [Schizosaccharomyces pombe]		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o1.gs	Method	GENSCAN
Start	398	End	1699
GI	none	Score	.9
Exons	398..400, 748..918, 1301..1480, 1670..1699		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o3.ts	Method	TBLASTX:Soybean
Start	730	End	913
GI	none	Score	187
Exons	730..906, 747..911, 748..912, 752..913, 752..913		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	739	End	2451
GI	none	Score	202
Exons	739..918, 746..916, 747..917, 748..921, 1291..1425, 1293..1478, 1300..1479, 1301..1480, 1328..1480, 2399..2449, 2410..2451		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o1.tw	Method	TBLASTX:Wheat
Start	883	End	2500
GI	none	Score	64
Exons	883..921, 886..918, 1291..1407, 1300..1479, 1301..1480,		

1462..1482, 2399..2500, 2403..2498, 2404..2499

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o1.ts	Method	TBLASTX:Soybean
Start	1288	End	1484
GI	none	Score	116
Exons	1288..1482, 1288..1482, 1298..1483, 1299..1484		

Seq. No.	44779	Seq. ID	OJ990818_13.0317.C24
Gene No.	94464	Strand	+
Start	1	End	2591
Name	OJ990818_13.0317.C24.o2.ts	Method	TBLASTX:Soybean
Start	2399	End	2557
GI	none	Score	202
Exons	2399..2557, 2404..2535		

Seq. No.	44780	Seq. ID	OJ990818_13.0317.C26
Gene No.	94465	Strand	-
Start	1	End	783
Name	OJ990818_13.0317.C26.o1.np	Method	AAT/NAP
Start	1	End	742
GI	6552733	Score	278
Exons	1..139, 290..742		
GI Descrip.	(AC013482) T26F17.14 [Arabidopsis thaliana]		

Seq. No.	44780	Seq. ID	OJ990818_13.0317.C26
Gene No.	94465	Strand	-
Start	1	End	783
Name	OJ990818_13.0317.C26.o1.gs	Method	GENSCAN
Start	22	End	742
GI	none	Score	.99
Exons	22..742		

Seq. No.	44780	Seq. ID	OJ990818_13.0317.C26
Gene No.	94465	Strand	-
Start	1	End	783
Name	OJ990818_13.0317.C26.o1.gp	Method	AAT/GAP
Start	332	End	783
GI	5900710	Score	859
Exons	332..783		

Seq. No.	44780	Seq. ID	OJ990818_13.0317.C26
Gene No.	94465	Strand	-
Start	1	End	783
Name	OJ990818_13.0317.C26.o1.ts	Method	TBLASTX:Soybean
Start	395	End	595
GI	none	Score	133
Exons	395..595, 396..593		

Seq. No.	44780	Seq. ID	OJ990818_13.0317.C26
Gene No.	94465	Strand	-
Start	1	End	783
Name	OJ990818_13.0317.C26.o1.tc	Method	TBLASTX:Cress
Start	410	End	596
GI	none	Score	142

Exons	410..595, 426..596		
Seq. No.	44781	Seq. ID	OJ990528_08.0331.C3
Gene No.	94466	Strand	+
Start	288	End	439
Name	OJ990528_08.0331.C3.o1.gs	Method	GENSCAN
Start	288	End	439
GI	none	Score	.6
Exons	288..439		
Seq. No.	44782	Seq. ID	OJ990528_08.0331.C8
Gene No.	94467	Strand	-
Start	1	End	330
Name	OJ990528_08.0331.C8.o1.np	Method	AAT/NAP
Start	1	End	330
GI	6815089	Score	202
Exons	1..330		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		
Seq. No.	44782	Seq. ID	OJ990528_08.0331.C8
Gene No.	94467	Strand	-
Start	1	End	330
Name	OJ990528_08.0331.C8.o1.gs	Method	GENSCAN
Start	194	End	330
GI	none	Score	.9
Exons	194..330		
Seq. No.	44783	Seq. ID	OJ990528_08.0331.C9
Gene No.	94468	Strand	-
Start	388	End	2309
Name	OJ990528_08.0331.C9.o1.tm	Method	TBLASTX:Maize
Start	386	End	2202
GI	none	Score	113
Exons	386..460, 386..460, 388..462, 388..462, 529..654, 539..655, 541..654, 546..674, 1796..1879, 1797..1880, 2110..2202, 2123..2200		
Seq. No.	44783	Seq. ID	OJ990528_08.0331.C9
Gene No.	94468	Strand	-
Start	388	End	2309
Name	OJ990528_08.0331.C9.o1.gs	Method	GENSCAN
Start	388	End	2244
GI	none	Score	.85
Exons	388..459, 543..656, 1799..1921, 2118..2244		
Seq. No.	44783	Seq. ID	OJ990528_08.0331.C9
Gene No.	94468	Strand	-
Start	388	End	2309
Name	OJ990528_08.0331.C9.o1.tc	Method	TBLASTX:Cress
Start	388	End	1877
GI	none	Score	125
Exons	388..462, 541..654, 541..651, 546..656, 1796..1876, 1797..1877		
Seq. No.	44783	Seq. ID	OJ990528_08.0331.C9
Gene No.	94468	Strand	-
Start	388	End	2309

Name	OJ990528_08.0331.C9.o1.gp	Method	AAT/GAP
Start	543	End	2246
GI	36732_1.R1084	Score	583
Exons	543..656, 1799..1876, 2118..2246		
GI Descrip.	'2245061/emb|CAB10484.1| 1.0e-37 (Z97342) Clp proteinase like protein [Arabidopsis thaliana]'		

Seq. No.	44783	Seq. ID	OJ990528_08.0331.C9
Gene No.	94468	Strand	-
Start	388	End	2309
Name	OJ990528_08.0331.C9.o1.np	Method	AAT/NAP
Start	2097	End	2309
GI	6815090	Score	235
Exons	2097..2309		
GI Descrip.	(AP001081) EST C25399(S6256) corresponds to a region of the predicted gene.; Similar to Clp proteinase like protein (Z97342) [Oryza sativa]		

Seq. No.	44784	Seq. ID	OJ990528_08.0331.C10
Gene No.	94469	Strand	+
Start	253	End	1141
Name	OJ990528_08.0331.C10.o1.gs	Method	GENSCAN
Start	253	End	1141
GI	none	Score	.51
Exons	253..360, 1061..1141		

Seq. No.	44784	Seq. ID	OJ990528_08.0331.C10
Gene No.	94470	Strand	-
Start	237	End	1953
Name	OJ990528_08.0331.C10.o1.np	Method	AAT/NAP
Start	237	End	1953
GI	6815090	Score	286
Exons	237..384, 1475..1530, 1925..1953		
GI Descrip.	(AP001081) EST C25399(S6256) corresponds to a region of the predicted gene.; Similar to Clp proteinase like protein (Z97342) [Oryza sativa]		

Seq. No.	44784	Seq. ID	OJ990528_08.0331.C10
Gene No.	94470	Strand	-
Start	237	End	1953
Name	OJ990528_08.0331.C10.o1.gp	Method	AAT/GAP
Start	258	End	1953
GI	36732_1.R1084	Score	300
Exons	258..384, 1475..1532, 1917..1953		
GI Descrip.	'2245061/emb|CAB10484.1| 1.0e-37 (Z97342) Clp proteinase like protein [Arabidopsis thaliana]'		

Seq. No.	44785	Seq. ID	OJ990528_08.0331.C11
Gene No.	94471	Strand	+
Start	703	End	1196
Name	OJ990528_08.0331.C11.o1.gp	Method	AAT/GAP
Start	703	End	1073
GI	uC-osflcyp177g02b1	Score	414
Exons	703..902, 1021..1073		
GI Descrip.	'4678933/emb|CAB41324.1| 5.0e-20 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	44785	Seq. ID	OJ990528_08.0331.C11
Gene No.	94471	Strand	+
Start	703	End	1196
Name	OJ990528_08.0331.C11.o1.tm	Method	TBLASTX:Maize
Start	775	End	1078
GI	none	Score	124
Exons	775..888, 808..903, 809..919,	861..914,	1013..1078, 1020..1073

Seq. No.	44785	Seq. ID	OJ990528_08.0331.C11
Gene No.	94471	Strand	+
Start	703	End	1196
Name	OJ990528_08.0331.C11.o1.gs	Method	GENSCAN
Start	812	End	1073
GI	none	Score	.73
Exons	812..902, 1021..1073		

Seq. No.	44785	Seq. ID	OJ990528_08.0331.C11
Gene No.	94471	Strand	+
Start	703	End	1196
Name	OJ990528_08.0331.C11.o1.np	Method	AAT/NAP
Start	812	End	1196
GI	6815093	Score	210
Exons	812..902, 1021..1196		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44786	Seq. ID	OJ990528_08.0331.C15
Gene No.	94472	Strand	+
Start	1338	End	1710
Name	OJ990528_08.0331.C15.o2.np	Method	AAT/NAP
Start	1338	End	1710
GI	6815096	Score	349
Exons	1338..1462, 1533..1710		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44786	Seq. ID	OJ990528_08.0331.C15
Gene No.	94473	Strand	-
Start	1	End	546
Name	OJ990528_08.0331.C15.o1.np	Method	AAT/NAP
Start	1	End	546
GI	6815097	Score	864
Exons	1..546		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	44786	Seq. ID	OJ990528_08.0331.C15
Gene No.	94474	Strand	-
Start	1314	End	1589
Name	OJ990528_08.0331.C15.o1.tc	Method	TBLASTX:Cress
Start	190	End	447
GI	none	Score	210
Exons	190..447		

Seq. No.	44786	Seq. ID	OJ990528_08.0331.C15
Gene No.	94474	Strand	-
Start	1314	End	1589
Name	OJ990528_08.0331.C15.o1.gs	Method	GENSCAN
Start	1314	End	1589

GI	none	Score	.47
Exons	1314..1468, 1482..1589		

Seq. No.	44787	Seq. ID	OJ990528_08.0331.C16
Gene No.	94475	Strand	+
Start	1	End	144
Name	OJ990528_08.0331.C16.o1.np	Method	AAT/NAP
Start	1	End	144
GI	6815096	Score	262
Exons	1..144		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44787	Seq. ID	OJ990528_08.0331.C16
Gene No.	94476	Strand	+
Start	84	End	1504
Name	OJ990528_08.0331.C16.o1.gs	Method	GENSCAN
Start	84	End	1504
GI	none	Score	.71
Exons	84..320, 1346..1504		

Seq. No.	44788	Seq. ID	OJ990528_08.0331.C17
Gene No.	94477	Strand	+
Start	2099	End	3316
Name	OJ990528_08.0331.C17.o1.np	Method	AAT/NAP
Start	2099	End	3316
GI	7523517	Score	272
Exons	2099..2409, 2559..2610, 3244..3316		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44788	Seq. ID	OJ990528_08.0331.C17
Gene No.	94477	Strand	+
Start	2099	End	3316
Name	OJ990528_08.0331.C17.o1.gp	Method	AAT/GAP
Start	2908	End	3001
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	2908..3001		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	44788	Seq. ID	OJ990528_08.0331.C17
Gene No.	94478	Strand	-
Start	1989	End	2704
Name	OJ990528_08.0331.C17.o1.gs	Method	GENSCAN
Start	1989	End	2704
GI	none	Score	.67
Exons	1989..2128, 2316..2432, 2495..2704		

Seq. No.	44789	Seq. ID	OJ990528_08.0331.C19
Gene No.	94479	Strand	+
Start	533	End	658
Name	OJ990528_08.0331.C19.o1.gs	Method	GENSCAN
Start	533	End	658
GI	none	Score	.72
Exons	533..658		

Seq. No.	44790	Seq. ID	OJ990528_08.0331.C22

Gene No.	94480	Strand	+
Start	249	End	3150
Name	OJ990528_08.0331.C22.o1.gs	Method	GENSCAN
Start	249	End	3040
GI	none	Score	.61
Exons	249..272, 620..696, 933..1095, 1329..1442, 1873..2076, 2113..2295, 2488..2614, 2678..3040		

Seq. No.	44790	Seq. ID	OJ990528_08.0331.C22
Gene No.	94480	Strand	+
Start	249	End	3150
Name	OJ990528_08.0331.C22.o1.np	Method	AAT/NAP
Start	1332	End	3150
GI	6721555	Score	1614
Exons	1332..1454, 1873..2076, 2113..2287, 2678..3150		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815080|dbj|BAA90366.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44790	Seq. ID	OJ990528_08.0331.C22
Gene No.	94481	Strand	-
Start	3197	End	3441
Name	OJ990528_08.0331.C22.o1.tw	Method	TBLASTX:Wheat
Start	2061	End	2293
GI	none	Score	171
Exons	2061..2243, 2071..2259, 2071..2247, 2078..2257, 2111..2233, 2249..2293, 2251..2292		

Seq. No.	44790	Seq. ID	OJ990528_08.0331.C22
Gene No.	94481	Strand	-
Start	3197	End	3441
Name	OJ990528_08.0331.C22.o1.ts	Method	TBLASTX:Soybean
Start	2686	End	2977
GI	none	Score	115
Exons	2686..2823, 2706..2801, 2869..2895, 2896..2976, 2903..2977		

Seq. No.	44790	Seq. ID	OJ990528_08.0331.C22
Gene No.	94481	Strand	-
Start	3197	End	3441
Name	OJ990528_08.0331.C22.o2.np	Method	AAT/NAP
Start	3197	End	3441
GI	5777617	Score	84
Exons	3197..3441		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44791	Seq. ID	OJ990528_08.0331.C23
Gene No.	94482	Strand	+
Start	703	End	1489
Name	OJ990528_08.0331.C23.o2.np	Method	AAT/NAP
Start	703	End	1489
GI	6721556	Score	1215
Exons	703..876, 912..1489		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815081|dbj|BAA90367.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44791	Seq. ID	OJ990528_08.0331.C23

Gene No.	94483	Strand	-
Start	69	End	1377
Name	OJ990528_08.0331.C23.o1.np	Method	AAT/NAP
Start	69	End	1377
GI	5777617	Score	93
Exons	69..175, 1347..1377		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44792	Seq. ID	OJ990528_08.0331.C24
Gene No.	94484	Strand	+
Start	1	End	193
Name	OJ990528_08.0331.C24.o1.np	Method	AAT/NAP
Start	1	End	193
GI	6721556	Score	318
Exons	1..193		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815081|dbj|BAA90367.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44792	Seq. ID	OJ990528_08.0331.C24
Gene No.	94485	Strand	+
Start	1181	End	1682
Name	OJ990528_08.0331.C24.o1.gp	Method	AAT/GAP
Start	1181	End	1682
GI	none	Score	929
Exons	1181..1682		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94486	Strand	+
Start	175	End	1653
Name	OJ990528_08.0331.C25.o1.gs	Method	GENSCAN
Start	175	End	1653
GI	none	Score	.94
Exons	175..1653		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94486	Strand	+
Start	175	End	1653
Name	OJ990528_08.0331.C25.o1.np	Method	AAT/NAP
Start	175	End	1650
GI	6721557	Score	2535
Exons	175..1650		
GI Descrip.	(AP001073) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T20B5 genomic sequence; hypothetical protein. (AC002409) [Oryza sativa] gi|6815082|dbj|BAA90368.1| (AP001081) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chrom		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94487	Strand	+
Start	1719	End	2027
Name	OJ990528_08.0331.C25.o1.gp	Method	AAT/GAP
Start	1719	End	2027
GI	2801048	Score	551
Exons	1719..2027		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94488	Strand	+
Start	3072	End	4134
Name	OJ990528_08.0331.C25.o2.gs	Method	GENSCAN
Start	3072	End	4064
GI	none	Score	.62
Exons	3072..3192, 3303..3443, 3540..3697, 3809..4064		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94488	Strand	+
Start	3072	End	4134
Name	OJ990528_08.0331.C25.o3.np	Method	AAT/NAP
Start	3344	End	4134
GI	6721558	Score	146
Exons	3344..3520, 3942..4134		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o1.tc	Method	TBLASTX:Cress
Start	676	End	1257
GI	none	Score	84
Exons	676..750, 693..746, 765..923, 775..924, 948..995, 970..1257, 988..1245, 1056..1256		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o2.tw	Method	TBLASTX:Wheat
Start	676	End	924
GI	none	Score	87
Exons	676..750, 751..924		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o1.ts	Method	TBLASTX:Soybean
Start	676	End	1257
GI	none	Score	91
Exons	676..750, 693..746, 741..935, 775..924, 970..1257, 1056..1256		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o1.tm	Method	TBLASTX:Maize
Start	676	End	1308
GI	none	Score	90
Exons	676..750, 765..923, 775..924, 973..1308, 985..1272, 1062..1289		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o2.np	Method	AAT/NAP
Start	784	End	2885

GI	7523517	Score	332
Exons	784..810, 2392..2442, 2587..2885		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44793	Seq. ID	OJ990528_08.0331.C25
Gene No.	94489	Strand	-
Start	784	End	2885
Name	OJ990528_08.0331.C25.o1.tw	Method	TBLASTX:Wheat
Start	973	End	1308
GI	none	Score	423
Exons	973..1308, 973..1272, 1056..1307		

Seq. No.	44794	Seq. ID	OJ990528_08.0331.C26
Gene No.	94490	Strand	+
Start	1	End	1128
Name	OJ990528_08.0331.C26.o1.np	Method	AAT/NAP
Start	1	End	494
GI	6907089	Score	192
Exons	1..494		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	44794	Seq. ID	OJ990528_08.0331.C26
Gene No.	94490	Strand	+
Start	1	End	1128
Name	OJ990528_08.0331.C26.o2.np	Method	AAT/NAP
Start	209	End	1128
GI	6721558	Score	537
Exons	209..302, 576..706, 916..1128		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44794	Seq. ID	OJ990528_08.0331.C26
Gene No.	94490	Strand	+
Start	1	End	1128
Name	OJ990528_08.0331.C26.o1.gs	Method	GENSCAN
Start	247	End	1027
GI	none	Score	.68
Exons	247..502, 582..706, 916..1027		

Seq. No.	44795	Seq. ID	OJ990528_08.0331.C28
Gene No.	94491	Strand	+
Start	1	End	371
Name	OJ990528_08.0331.C28.o1.np	Method	AAT/NAP
Start	1	End	371
GI	6721558	Score	358
Exons	1..371		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44795	Seq. ID	OJ990528_08.0331.C28
Gene No.	94492	Strand	-
Start	179	End	1390
Name	OJ990528_08.0331.C28.o1.gs	Method	GENSCAN
Start	179	End	1390
GI	none	Score	.71

Exons	179..370, 831..966, 1296..1390		
Seq. No.	44795	Seq. ID	OJ990528_08.0331.C28
Gene No.	94492	Strand	-
Start	179	End	1390
Name	OJ990528_08.0331.C28.o2.np	Method	AAT/NAP
Start	670	End	1291
GI	6721559	Score	1022
Exons	670..802, 831..1291		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94493	Strand	+
Start	1108	End	3479
Name	OJ990528_08.0331.C29.o1.gs	Method	GENSCAN
Start	1108	End	3370
GI	none	Score	.77
Exons	1108..1198, 2341..2510, 2581..2639, 2713..3370		
Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94493	Strand	+
Start	1108	End	3479
Name	OJ990528_08.0331.C29.o3.np	Method	AAT/NAP
Start	1108	End	3479
GI	6721561	Score	1573
Exons	1108..1198, 2341..2510, 2581..2639, 2713..3479		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94494	Strand	-
Start	1	End	293
Name	OJ990528_08.0331.C29.o1.np	Method	AAT/NAP
Start	1	End	293
GI	6721560	Score	377
Exons	1..127, 182..293		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94495	Strand	-
Start	986	End	1754
Name	OJ990528_08.0331.C29.o2.np	Method	AAT/NAP
Start	986	End	1754
GI	4680183	Score	195
Exons	986..1075, 1684..1754		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429

Name	OJ990528_08.0331.C29.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	5591
GI	none	Score	59
Exons	3430..3483, 4983..5114, 4984..5109, 5139..5591, 5335..5442, 5488..5577		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o2.gs	Method	GENSCAN
Start	3570	End	8171
GI	none	Score	.74
Exons	3570..3728, 3845..3923, 3995..4026, 4112..4271, 4289..4371, 4511..4615, 4731..4858, 5024..5525, 5574..5786, 5807..5983, 6035..6189, 6384..7578, 7635..7841, 8085..8171		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o2.tm	Method	TBLASTX:Maize
Start	5106	End	5369
GI	none	Score	194
Exons	5106..5369		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o3.tw	Method	TBLASTX:Wheat
Start	5613	End	5976
GI	none	Score	50
Exons	5613..5744, 5623..5745, 5730..5975, 5731..5874, 5920..5976		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o1.tm	Method	TBLASTX:Maize
Start	5802	End	6011
GI	none	Score	129
Exons	5802..6011, 5803..6003		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o4.np	Method	AAT/NAP
Start	6316	End	7560
GI	6721562	Score	2193
Exons	6316..7560		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o2.tw	Method	TBLASTX:Wheat

Start	6514	End	6906
GI	none	Score	90
Exons	6514..6771, 6548..6787, 6754..6852, 6755..6847, 6859..6906		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o3.tm	Method	TBLASTX:Maize
Start	6616	End	6901
GI	none	Score	87
Exons	6616..6864, 6617..6901		

Seq. No.	44796	Seq. ID	OJ990528_08.0331.C29
Gene No.	94496	Strand	-
Start	3570	End	8429
Name	OJ990528_08.0331.C29.o5.np	Method	AAT/NAP
Start	7788	End	8429
GI	5042454	Score	199
Exons	7788..7841, 8085..8256, 8394..8429		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94497	Strand	-
Start	1	End	2239
Name	OJ990528_08.0331.C30.o1.np	Method	AAT/NAP
Start	1	End	2239
GI	5902445	Score	2024
Exons	1..67, 139..364, 404..2239		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o4.tw	Method	TBLASTX:Wheat
Start	386	End	707
GI	none	Score	81
Exons	386..706, 387..707		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o3.tw	Method	TBLASTX:Wheat
Start	746	End	1153
GI	none	Score	102
Exons	746..919, 927..1100, 929..1153		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o1.ts	Method	TBLASTX:Soybean
Start	1244	End	1669
GI	none	Score	53
Exons	1244..1669, 1253..1423, 1485..1625		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620

Name	OJ990528_08.0331.C30.o2.tw	Method	TBLASTX:Wheat
Start	1299	End	1723
GI	none	Score	272
Exons	1299..1625, 1301..1723, 1331..1720		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o2.tm	Method	TBLASTX:Maize
Start	1397	End	1780
GI	none	Score	129
Exons	1397..1780, 1398..1625		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o1.tm	Method	TBLASTX:Maize
Start	1808	End	2164
GI	none	Score	199
Exons	1808..2164, 1809..2102, 1859..2119		

Seq. No.	44797	Seq. ID	OJ990528_08.0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o1.tw	Method	TBLASTX:Wheat
Start	1838	End	2294
GI	none	Score	354
Exons	1838..2293, 1839..2294		

Seq. No.	44797	Seq. ID	OJ990528_08:0331.C30
Gene No.	94498	Strand	-
Start	2306	End	2620
Name	OJ990528_08.0331.C30.o2.np	Method	AAT/NAP
Start	2306	End	2620
GI	5902444	Score	180
Exons	2306..2620		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44798	Seq. ID	OJ990528_08.0331.C31
Gene No.	94499	Strand	-
Start	1	End	1030
Name	OJ990528_08.0331.C31.o1.np	Method	AAT/NAP
Start	1	End	1030
GI	5902444	Score	553
Exons	1..1030		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	44798	Seq. ID	OJ990528_08.0331.C31
Gene No.	94499	Strand	-
Start	1	End	1030
Name	OJ990528_08.0331.C31.o1.gs	Method	GENSCAN
Start	136	End	966
GI	none	Score	.55
Exons	136..261, 280..966		

Seq. No.	44798	Seq. ID	OJ990528_08.0331.C31
Gene No.	94499	Strand	-

Start	1	End	1030
Name	OJ990528_08.0331.C31.o1.tw	Method	TBLASTX:Wheat
Start	676	End	996
GI	none	Score	181
Exons	676..996		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94500	Strand	+
Start	4004	End	6798
Name	OJ990528_08.0331.C32.o1.gp	Method	AAT/GAP
Start	3857	End	4039
GI	none	Score	342
Exons	3857..4039		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94500	Strand	+
Start	4004	End	6798
Name	OJ990528_08.0331.C32.o2.gp	Method	AAT/GAP
Start	3920	End	4259
GI	3061063	Score	373
Exons	3920..4029, 4066..4099, 4174..4259		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94500	Strand	+
Start	4004	End	6798
Name	OJ990528_08.0331.C32.o3.gs	Method	GENSCAN
Start	4004	End	6586
GI	none	Score	.74
Exons	4004..4099, 4174..4311, 4738..4993, 6447..6586		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94500	Strand	+
Start	4004	End	6798
Name	OJ990528_08.0331.C32.o3.np	Method	AAT/NAP
Start	4004	End	6583
GI	6721563	Score	1061
Exons	4004..4099, 4174..4311, 4738..4993, 5801..5872, 6447..6583		
GI Descrip.	(AP001073) ESTs C91695(E31262),D40183(S1971) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815088|dbj|BAA90374.1| (AP001081) ESTs C91695(E31262),D40183(S1971) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94500	Strand	+
Start	4004	End	6798
Name	OJ990528_08.0331.C32.o3.gp	Method	AAT/GAP
Start	5785	End	6798
GI	none	Score	789
Exons	5785..5872, 6447..6798		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94501	Strand	-
Start	94	End	1348
Name	OJ990528_08.0331.C32.o1.gs	Method	GENSCAN
Start	94	End	1219
GI	none	Score	.62

Exons 94..571, 629..767, 788..1219

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94501	Strand	-
Start	94	End	1348
Name	OJ990528_08.0331.C32.o1.np	Method	AAT/NAP
Start	229	End	1348
GI	6721562	Score	435
Exons	229..856, 1115..1348		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94502	Strand	-
Start	1376	End	2929
Name	OJ990528_08.0331.C32.o2.gs	Method	GENSCAN
Start	1376	End	2929
GI	none	Score	.97
Exons	1376..2357, 2539..2682, 2838..2929		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94502	Strand	-
Start	1376	End	2929
Name	OJ990528_08.0331.C32.o2.np	Method	AAT/NAP
Start	2313	End	2799
GI	7523517	Score	300
Exons	2313..2357, 2502..2799		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o1.tw	Method	TBLASTX:Wheat
Start	375	End	773
GI	none	Score	60
Exons	375..773, 505..648, 721..759		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o2.tm	Method	TBLASTX:Maize
Start	537	End	792
GI	none	Score	86
Exons	537..776, 538..792		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o1.tc	Method	TBLASTX:Cress
Start	4225	End	5892
GI	none	Score	42
Exons	4225..4251, 4252..4311, 4725..4946, 4738..4950, 5794..5892, 5796..5873		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o1.ts	Method	TBLASTX:Soybean
Start	4225	End	4941
GI	none	Score	135
Exons	4225..4311, 4737..4940, 4738..4941		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o4.gs	Method	GENSCAN
Start	7053	End	7261
GI	none	Score	.84
Exons	7053..7149, 7206..7261		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o1.tm	Method	TBLASTX:Maize
Start	7117	End	7342
GI	none	Score	194
Exons	7117..7335, 7133..7342, 7140..7304		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o2.ts	Method	TBLASTX:Soybean
Start	7121	End	7342
GI	none	Score	162
Exons	7121..7342, 7122..7304		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o4.np	Method	AAT/NAP
Start	7124	End	7852
GI	6815089	Score	361
Exons	7124..7403, 7767..7852		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		

Seq. No.	44799	Seq. ID	OJ990528_08.0331.C32
Gene No.	94503	Strand	-
Start	7053	End	7852
Name	OJ990528_08.0331.C32.o2.tc	Method	TBLASTX:Cress
Start	7142	End	7344
GI	none	Score	133
Exons	7142..7342, 7142..7342, 7147..7344		

Seq. No.	44800	Seq. ID	OJ990528_08.0331.C33
Gene No.	94504	Strand	-
Start	1	End	1198
Name	OJ990528_08.0331.C33.o1.np	Method	AAT/NAP
Start	1	End	1198
GI	6815089	Score	807
Exons	1..71, 788..1198		

GI Descrip. (AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]

Seq. No.	44800	Seq. ID	OJ990528_08.0331.C33
Gene No.	94504	Strand	-
Start	1	End	1198
Name	OJ990528_08.0331.C33.o1.tm	Method	TBLASTX:Maize
Start	3	End	1198
GI	none	Score	474
Exons	3..74, 785..1198, 786..1196, 788..1198		

Seq. No.	44800	Seq. ID	OJ990528_08.0331.C33
Gene No.	94504	Strand	-
Start	1	End	1198
Name	OJ990528_08.0331.C33.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1198
GI	none	Score	128
Exons	3..74, 785..943, 786..890, 941..1198, 945..1196		

Seq. No.	44800	Seq. ID	OJ990528_08.0331.C33
Gene No.	94504	Strand	-
Start	1	End	1198
Name	OJ990528_08.0331.C33.o1.tc	Method	TBLASTX:Cress
Start	785	End	1198
GI	none	Score	110
Exons	785..943, 786..890, 932..1045, 940..1032, 942..1088, 944..1060, 1043..1198, 1053..1193, 1063..1197		

Seq. No.	44800	Seq. ID	OJ990528_08.0331.C33
Gene No.	94504	Strand	-
Start	1	End	1198
Name	OJ990528_08.0331.C33.o1.gs	Method	GENSCAN
Start	788	End	1149
GI	none	Score	.47
Exons	788..1149		

Seq. No.	44801	Seq. ID	OJ990528_08.0331.C35
Gene No.	94505	Strand	-
Start	1	End	1435
Name	OJ990528_08.0331.C35.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6815091	Score	420
Exons	1..32, 385..549, 632..745		

GI Descrip. (AP001081) ESTs C28508(C61374),AU082215(C61374) correspond to a region of the predicted gene.; Similar to putative ubiquitin activating enzyme E1 (AF051135) [Oryza sativa]

Seq. No.	44801	Seq. ID	OJ990528_08.0331.C35
Gene No.	94505	Strand	-
Start	1	End	1435
Name	OJ990528_08.0331.C35.o1.gp	Method	AAT/GAP
Start	383	End	821
GI	73146_1.R1084	Score	615
Exons	383..549, 632..821		

GI Descrip. '2952433 2.0e-21 (AF051135) putative ubiquitin activating enzyme E1 [Arabidopsis thaliana]'

Seq. No.	44801	Seq. ID	OJ990528_08.0331.C35
Gene No.	94505	Strand	-
Start	1	End	1435
Name	OJ990528_08.0331.C35.o1.gs	Method	GENSCAN
Start	386	End	1435
GI	none	Score	.79
Exons	386..549, 632..755, 1319..1435		

Seq. No.	44802	Seq. ID	OJ990528_08.0331.C36
Gene No.	94506	Strand	+
Start	502	End	960
Name	OJ990528_08.0331.C36.o1.gs	Method	GENSCAN
Start	502	End	960
GI	none	Score	.85
Exons	502..601, 665..960		

Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o1.np	Method	AAT/NAP
Start	1	End	993
GI	6815089	Score	1537
Exons	1..993		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		

Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o1.ts	Method	TBLASTX:Soybean
Start	66	End	973
GI	none	Score	583
Exons	66..740, 83..817, 83..871, 291..869, 868..957, 878..973		

Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o2.tm	Method	TBLASTX:Maize
Start	81	End	349
GI	none	Score	298
Exons	81..347, 83..349, 83..349		

Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o1.tc	Method	TBLASTX:Cress
Start	82	End	970
GI	none	Score	421
Exons	82..870, 83..835, 83..871, 151..870, 300..872, 868..960, 874..960, 878..970		

Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o1.gs	Method	GENSCAN
Start	83	End	868
GI	none	Score	.76

Exons	83..868		
Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o1.tm	Method	TBLASTX:Maize
Start	350	End	610
GI	none	Score	342
Exons	350..610, 351..605, 356..610		
Seq. No.	44803	Seq. ID	OJ990528_08.0331.C37
Gene No.	94507	Strand	-
Start	1	End	993
Name	OJ990528_08.0331.C37.o3.tm	Method	TBLASTX:Maize
Start	644	End	967
GI	none	Score	70
Exons	644..742, 644..757, 648..791, 737..871, 738..869, 745..882, 766..870, 868..966, 871..957, 878..967		
Seq. No.	44804	Seq. ID	OJ990528_08.0331.C38
Gene No.	94508	Strand	-
Start	1	End	1166
Name	OJ990528_08.0331.C38.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	6815089	Score	880
Exons	1..239, 326..479, 575..671, 1030..1166		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		
Seq. No.	44804	Seq. ID	OJ990528_08.0331.C38
Gene No.	94508	Strand	-
Start	1	End	1166
Name	OJ990528_08.0331.C38.o1.tm	Method	TBLASTX:Maize
Start	61	End	396
GI	none	Score	82
Exons	61..165, 62..121, 65..175, 76..153, 165..224, 166..240, 167..241, 317..385, 317..385, 322..396, 324..395		
Seq. No.	44804	Seq. ID	OJ990528_08.0331.C38
Gene No.	94508	Strand	-
Start	1	End	1166
Name	OJ990528_08.0331.C38.o1.ts	Method	TBLASTX:Soybean
Start	73	End	1151
GI	none	Score	64
Exons	73..168, 148..240, 166..234, 173..241, 321..476, 324..389, 325..462, 572..664, 1029..1151		
Seq. No.	44804	Seq. ID	OJ990528_08.0331.C38
Gene No.	94508	Strand	-
Start	1	End	1166
Name	OJ990528_08.0331.C38.o1.tc	Method	TBLASTX:Cress
Start	91	End	1157
GI	none	Score	80
Exons	91..240, 92..241, 322..462, 324..476, 1029..1157		
Seq. No.	44804	Seq. ID	OJ990528_08.0331.C38
Gene No.	94508	Strand	-

Start	1	End	1166
Name	OJ990528_08.0331.C38.o1.gs	Method	GENSCAN
Start	326	End	1166
GI	none	Score	.91
Exons	326..479, 575..671, 1030..1166		

Seq. No.	44805	Seq. ID	OJ990528_08.0331.C40
Gene No.	94509	Strand	+
Start	422	End	2880
Name	OJ990528_08.0331.C40.o1.gs	Method	GENSCAN
Start	422	End	2640
GI	none	Score	.9
Exons	422..464, 1004..1098, 1719..1904, 1996..2199, 2585..2640		

Seq. No.	44805	Seq. ID	OJ990528_08.0331.C40
Gene No.	94509	Strand	+
Start	422	End	2880
Name	OJ990528_08.0331.C40.o1.np	Method	AAT/NAP
Start	1712	End	2880
GI	6815090	Score	649
Exons	1712..1904, 1996..2199, 2585..2642, 2757..2880		
GI Descrip.	(AP001081) EST C25399(S6256) corresponds to a region of the predicted gene.; Similar to Clp proteinase like protein (Z97342) [Oryza sativa]		

Seq. No.	44805	Seq. ID	OJ990528_08.0331.C40
Gene No.	94509	Strand	+
Start	422	End	2880
Name	OJ990528_08.0331.C40.o1.tc	Method	TBLASTX:Cress
Start	1983	End	2655
GI	none	Score	303
Exons	1983..2198, 1984..2199, 2579..2638, 2584..2655, 2584..2637		

Seq. No.	44805	Seq. ID	OJ990528_08.0331.C40
Gene No.	94509	Strand	+
Start	422	End	2880
Name	OJ990528_08.0331.C40.o1.ts	Method	TBLASTX:Soybean
Start	1983	End	2643
GI	none	Score	319
Exons	1983..2198, 1984..2199, 2579..2641, 2587..2643		

Seq. No.	44805	Seq. ID	OJ990528_08.0331.C40
Gene No.	94509	Strand	+
Start	422	End	2880
Name	OJ990528_08.0331.C40.o1.gp	Method	AAT/GAP
Start	2026	End	2642
GI	36732_1.R1084	Score	407
Exons	2026..2199, 2585..2642		
GI Descrip.	'2245061/emb|CAB10484.1| 1.0e-37 (Z97342) Clp proteinase like protein [Arabidopsis thaliana]'		

Seq. No.	44806	Seq. ID	OJ990528_08.0331.C42
Gene No.	94510	Strand	-
Start	1	End	1194
Name	OJ990528_08.0331.C42.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	6721549	Score	786

Exons	1..78, 657..1194		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		
Seq. No.	44806	Seq. ID	OJ990528_08.0331.C42
Gene No.	94510	Strand	-
Start	1	End	1194
Name	OJ990528_08.0331.C42.o1.gs	Method	GENSCAN
Start	667	End	1159
GI	none	Score	.96
Exons	667..1015, 1035..1159		
Seq. No.	44807	Seq. ID	OJ990528_08.0331.C47
Gene No.	94511	Strand	-
Start	518	End	631
Name	OJ990528_08.0331.C47.o1.gs	Method	GENSCAN
Start	518	End	631
GI	none	Score	.58
Exons	518..631		
Seq. No.	44808	Seq. ID	OJ990528_08.0331.C49
Gene No.	94512	Strand	+
Start	1	End	1143
Name	OJ990528_08.0331.C49.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	6721552	Score	202
Exons	1..65, 684..857, 1112..1143		
GI Descrip.	(AP001073) ESTs AU067919(C10906),AU067918(C10906) correspond to a region of the predicted gene.; Similar to cysteine proteinase inhibitor (D31700) [Oryza sativa]		
Seq. No.	44808	Seq. ID	OJ990528_08.0331.C49
Gene No.	94512	Strand	+
Start	1	End	1143
Name	OJ990528_08.0331.C49.o1.gp	Method	AAT/GAP
Start	417	End	855
GI	18930_1.R1084	Score	262
Exons	417..437, 708..855		
GI Descrip.	'1944319/dbj|BAA19608| 1.0e-45 (D31700) cysteine proteinase inhibitor [Glycine max] >gi_1944342_dbj_BAA19610_ (D64115) cysteine proteinase inhibitor [Glycine max]'		
Seq. No.	44808	Seq. ID	OJ990528_08.0331.C49
Gene No.	94512	Strand	+
Start	1	End	1143
Name	OJ990528_08.0331.C49.o1.ts	Method	TBLASTX:Soybean
Start	668	End	858
GI	none	Score	197
Exons	668..856, 718..858		
Seq. No.	44808	Seq. ID	OJ990528_08.0331.C49
Gene No.	94512	Strand	+
Start	1	End	1143
Name	OJ990528_08.0331.C49.o1.tm	Method	TBLASTX:Maize
Start	671	End	856
GI	none	Score	234
Exons	671..856, 706..855, 707..856		

Seq. No.	44808	Seq. ID	OJ990528_08.0331.C49
Gene No.	94512	Strand	+
Start	1	End	1143
Name	OJ990528_08.0331.C49.o1.gs	Method	GENSCAN
Start	708	End	853
GI	none	Score	.8
Exons	708..853		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94513	Strand	+
Start	2343	End	4021
Name	OJ990528_08.0331.C50.o1.gp	Method	AAT/GAP
Start	2343	End	4021
GI	2311153	Score	517
Exons	2343..2492, 2810..2885, 3933..4021		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94514	Strand	+
Start	4092	End	6769
Name	OJ990528_08.0331.C50.o1.np	Method	AAT/NAP
Start	4020	End	6766
GI	6721551	Score	1526
Exons	4020..4714, 5182..5311, 5778..5828, 6707..6766		
GI Descrip.	(AP001073) Similar to actin-like protein (AL023592) [Oryza sativa]		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94514	Strand	+
Start	4092	End	6769
Name	OJ990528_08.0331.C50.o2.gs	Method	GENSCAN
Start	4092	End	6769
GI	none	Score	.58
Exons	4092..4714, 5182..5311, 5778..5828, 6707..6769		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94514	Strand	+
Start	4092	End	6769
Name	OJ990528_08.0331.C50.o2.gp	Method	AAT/GAP
Start	5155	End	5805
GI	LIB3433-036-P1-K1-G1	Score	674
Exons	5155..5383, 5454..5517, 5601..5685, 5778..5805		
GI Descrip.	'6091748/gb|AAF03459.1|AC009992_1 8.0e-21 (AC009992) putative actin [Arabidopsis thaliana]'		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94514	Strand	+
Start	4092	End	6769
Name	OJ990528_08.0331.C50.o3.gp	Method	AAT/GAP
Start	6027	End	6478
GI	LIB3434-057-P1-K1-D9	Score	796
Exons	6027..6478		
GI Descrip.	'6091748/gb|AAF03459.1|AC009992_1 3.0e-17 (AC009992) putative actin [Arabidopsis thaliana]'		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-

Start	7486	End	9864
Name	OJ990528_08.0331.C50.o1.ts	Method	TBLASTX:Soybean
Start	4089	End	4544
GI	none	Score	88
Exons	4089..4154, 4167..4448, 4208..4255, 4295..4447, 4458..4544, 4472..4534		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o1.tm	Method	TBLASTX:Maize
Start	4458	End	4715
GI	none	Score	417
Exons	4458..4715, 4461..4715		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o3.ts	Method	TBLASTX:Soybean
Start	4545	End	4715
GI	none	Score	136
Exons	4545..4637, 4547..4627, 4563..4631, 4644..4715		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o2.tm	Method	TBLASTX:Maize
Start	5453	End	5998
GI	none	Score	109
Exons	5453..5518, 5454..5519, 5456..5596, 5590..5685, 5597..5683, 5775..5828, 5775..5843, 5779..5829, 5895..5978, 5909..5998, 5916..5975		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o3.gs	Method	GENSCAN
Start	7486	End	9597
GI	none	Score	.72
Exons	7486..9597		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o2.np	Method	AAT/NAP
Start	7489	End	9864
GI	6721550	Score	3640
Exons	7489..9589, 9834..9864		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o2.ts	Method	TBLASTX:Soybean
Start	7609	End	9550
GI	none	Score	63
Exons	7609..7716, 7903..7986, 8326..8508, 8860..9015, 9034..9267,		

9035..9166, 9259..9345, 9272..9406, 9367..9549, 9461..9550

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o1.tc	Method	TBLASTX:Cress
Start	8392	End	9591
GI	none	Score	79
Exons	8392..8574, 8848..8919, 9028..9186, 9262..9342, 9523..9591		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o1.tw	Method	TBLASTX:Wheat
Start	8848	End	9129
GI	none	Score	68
Exons	8848..9006, 8861..9010, 9034..9129		

Seq. No.	44809	Seq. ID	OJ990528_08.0331.C50
Gene No.	94515	Strand	-
Start	7486	End	9864
Name	OJ990528_08.0331.C50.o3.tm	Method	TBLASTX:Maize
Start	9034	End	9237
GI	none	Score	182
Exons	9034..9237		

Seq. No.	44810	Seq. ID	OJ990528_08.0331.C51
Gene No.	94516	Strand	-
Start	1	End	2084
Name	OJ990528_08.0331.C51.o1.np	Method	AAT/NAP
Start	1	End	2084
GI	6721550	Score	1947
Exons	1..286, 990..1723, 1887..2084		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	44810	Seq. ID	OJ990528_08.0331.C51
Gene No.	94516	Strand	-
Start	1	End	2084
Name	OJ990528_08.0331.C51.o1.gs	Method	GENSCAN
Start	22	End	2084
GI	none	Score	.94
Exons	22..286, 990..1723, 1887..2084		

Seq. No.	44811	Seq. ID	OJ990528_08.0331.C52
Gene No.	94517	Strand	-
Start	441	End	703
Name	OJ990528_08.0331.C52.o1.gs	Method	GENSCAN
Start	441	End	699
GI	none	Score	.82
Exons	441..652, 681..699		

Seq. No.	44811	Seq. ID	OJ990528_08.0331.C52
Gene No.	94517	Strand	-
Start	441	End	703
Name	OJ990528_08.0331.C52.o1.np	Method	AAT/NAP
Start	444	End	703
GI	6815094	Score	354

Exons	444..591, 627..703		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	44812	Seq. ID	OJ990528_08.0331.C56
Gene No.	94518	Strand	-
Start	1128	End	1874
Name	OJ990528_08.0331.C56.o1.gp	Method	AAT/GAP
Start	872	End	1781
GI	18930_1.R1084	Score	1026
Exons	872..1280, 1634..1781		
GI Descrip.	'1944319/dbj|BAA19608| 1.0e-45 (D31700) cysteine proteinase inhibitor [Glycine max] >gi_1944342_dbj_BAA19610_ (D64115) cysteine proteinase inhibitor [Glycine max]'		
Seq. No.	44812	Seq. ID	OJ990528_08.0331.C56
Gene No.	94518	Strand	-
Start	1128	End	1874
Name	OJ990528_08.0331.C56.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1798
GI	none	Score	58
Exons	1125..1154, 1126..1155, 1134..1283, 1163..1282, 1165..1284, 1631..1798, 1632..1781		
Seq. No.	44812	Seq. ID	OJ990528_08.0331.C56
Gene No.	94518	Strand	-
Start	1128	End	1874
Name	OJ990528_08.0331.C56.o1.gs	Method	GENSCAN
Start	1128	End	1779
GI	none	Score	.59
Exons	1128..1280, 1634..1779		
Seq. No.	44812	Seq. ID	OJ990528_08.0331.C56
Gene No.	94518	Strand	-
Start	1128	End	1874
Name	OJ990528_08.0331.C56.o1.np	Method	AAT/NAP
Start	1131	End	1874
GI	6721552	Score	477
Exons	1131..1280, 1634..1874		
GI Descrip.	(AP001073) ESTs AU067919(C10906),AU067918(C10906) correspond to a region of the predicted gene.; Similar to cysteine proteinase inhibitor (D31700) [Oryza sativa]		
Seq. No.	44812	Seq. ID	OJ990528_08.0331.C56
Gene No.	94518	Strand	-
Start	1128	End	1874
Name	OJ990528_08.0331.C56.o1.ts	Method	TBLASTX:Soybean
Start	1149	End	1777
GI	none	Score	122
Exons	1149..1283, 1629..1769, 1631..1777		
Seq. No.	44813	Seq. ID	OJ990528_08.0331.C58
Gene No.	94519	Strand	-
Start	1	End	200
Name	OJ990528_08.0331.C58.o1.gp	Method	AAT/GAP
Start	1	End	200
GI	45972_1.R1084	Score	380
Exons	1..200		

GI Descrip. '2129783/pir||S65071 1.0e-18 cystatin - field mustard >gi_762785 (L41355) cysteine proteinase inhibitor [Brassica campestris]'

Seq. No.	44813	Seq. ID	OJ990528_08.0331.C58
Gene No.	94520	Strand	-
Start	146	End	1701
Name	OJ990528_08.0331.C58.o1.gs	Method	GENSCAN
Start	146	End	1701
GI	none	Score	.62
Exons	146..250, 351..513, 1582..1701		

Seq. No.	44814	Seq. ID	OJ990528_08.0331.C59
Gene No.	94521	Strand	+
Start	1252	End	2771
Name	OJ990528_08.0331.C59.o1.np	Method	AAT/NAP
Start	1252	End	2771
GI	7340909	Score	112
Exons	1252..1276, 2555..2771		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94522	Strand	+
Start	4782	End	6840
Name	OJ990528_08.0331.C60.o1.gs	Method	GENSCAN
Start	4782	End	6567
GI	none	Score	1
Exons	4782..5009, 5821..6567		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94522	Strand	+
Start	4782	End	6840
Name	OJ990528_08.0331.C60.o2.np	Method	AAT/NAP
Start	4782	End	6564
GI	6721554	Score	1633
Exons	4782..5009, 5821..6564		
GI Descrip.	(AP001073) ESTs D24550(R2151),D24265(R1609),AU031848(R2151) correspond to a region of the predicted gene.; Similar to cationic peroxidase isozyme 40K precursor (D42065) [Oryza sativa] gi|6815079|dbj|BAA90365.1| (AP001081) ESTs D24550(R2151),D24265(R1609),AU031848(R2151) correspond to a region of the predicted gene.; Similar to cationic peroxidase isozyme 40K precursor (		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94522	Strand	+
Start	4782	End	6840
Name	OJ990528_08.0331.C60.o2.gp	Method	AAT/GAP
Start	5825	End	6840
GI	33806_1.R1084	Score	1970
Exons	5825..6840		
GI Descrip.	'575605/dbj|BAA07664| 3.0e-49 (D42065) cationic peroxidase isozyme 40K precursor [Nicotiana tabacum]'		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94523	Strand	-
Start	1	End	1558
Name	OJ990528_08.0331.C60.o1.np	Method	AAT/NAP

Start	1	End	1558
GI	7340909	Score	112
Exons	1..264, 1520..1558		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94524	Strand	
Start	4780	End	6570
Name	OJ990528_08.0331.C60.o1.tm	Method	TBLASTX:Maize
Start	4780	End	6555
GI	none	Score	48
Exons	4780..4830, 4849..4914, 4850..4933, 4850..5005, 4857..5009, 5811..6233, 5815..6555, 6312..6554		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94524	Strand	
Start	4780	End	6570
Name	OJ990528_08.0331.C60.o1.ts	Method	TBLASTX:Soybean
Start	4869	End	6570
GI	none	Score	122
Exons	4869..5009, 5811..5954, 5815..5994, 6019..6387, 6460..6570		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94524	Strand	
Start	4780	End	6570
Name	OJ990528_08.0331.C60.o1.tw	Method	TBLASTX:Wheat
Start	4872	End	6219
GI	none	Score	97
Exons	4872..5009, 4901..5005, 5815..5868, 5878..5997, 6061..6219, 6072..6218		

Seq. No.	44815	Seq. ID	OJ990528_08.0331.C60
Gene No.	94524	Strand	
Start	4780	End	6570
Name	OJ990528_08.0331.C60.o1.tc	Method	TBLASTX:Cress
Start	4872	End	6555
GI	none	Score	119
Exons	4872..5009, 4895..5005, 5811..5957, 5815..5997, 6019..6057, 6079..6216, 6253..6387, 6466..6555		

Seq. No.	44816	Seq. ID	OJ990528_08.0331.C62
Gene No.	94525	Strand	+
Start	1	End	878
Name	OJ990528_08.0331.C62.o1.gp	Method	AAT/GAP
Start	1	End	414
GI	73146_1.R1084	Score	549
Exons	1..169, 252..414		
GI Descrip.	'2952433 2.0e-21 (AF051135) putative ubiquitin activating enzyme E1 [Arabidopsis thaliana]'		

Seq. No.	44816	Seq. ID	OJ990528_08.0331.C62
Gene No.	94525	Strand	+
Start	1	End	878
Name	OJ990528_08.0331.C62.o1.gs	Method	GENSCAN
Start	46	End	415
GI	none	Score	.71
Exons	46..169, 252..415		

Seq. No.	44816	Seq. ID	OJ990528_08.0331.C62
Gene No.	94525	Strand	+
Start	1	End	878
Name	OJ990528_08.0331.C62.o1.np	Method	AAT/NAP
Start	56	End	878
GI	6815091	Score	419
Exons	56..169, 252..415, 685..878		
GI Descrip.	(AP001081) ESTs C28508(C61374),AU082215(C61374) correspond to a region of the predicted gene.; Similar to putative ubiquitin activating enzyme E1 (AF051135) [Oryza sativa]		

Seq. No.	44817	Seq. ID	OJ990528_08.0331.C63
Gene No.	94526	Strand	-
Start	1	End	1676
Name	OJ990528_08.0331.C63.o1.np	Method	AAT/NAP
Start	1	End	1676
GI	6815097	Score	1633
Exons	1..330, 362..954, 1464..1676		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	44817	Seq. ID	OJ990528_08.0331.C63
Gene No.	94526	Strand	-
Start	1	End	1676
Name	OJ990528_08.0331.C63.o1.gs	Method	GENSCAN
Start	319	End	1583
GI	none	Score	.78
Exons	319..969, 1464..1583		

Seq. No.	44818	Seq. ID	OJ990528_08.0331.C64
Gene No.	94527	Strand	-
Start	1	End	950
Name	OJ990528_08.0331.C64.o1.np	Method	AAT/NAP
Start	1	End	950
GI	6815097	Score	1169
Exons	1..80, 261..950		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	44818	Seq. ID	OJ990528_08.0331.C64
Gene No.	94527	Strand	-
Start	1	End	950
Name	OJ990528_08.0331.C64.o1.gs	Method	GENSCAN
Start	165	End	857
GI	none	Score	.81
Exons	165..857		

Seq. No.	44819	Seq. ID	OJ990528_08.0331.C68
Gene No.	94528	Strand	+
Start	1	End	94
Name	OJ990528_08.0331.C68.o1.gp	Method	AAT/GAP
Start	1	End	94
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	1..94		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	44819	Seq. ID	OJ990528_08.0331.C68
Gene No.	94529	Strand	+
Start	1489	End	2695
Name	OJ990528_08.0331.C68.o1.np	Method	AAT/NAP
Start	1489	End	2695
GI	6815095	Score	1250
Exons	1489..1538, 1685..1739, 2096..2695		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44820	Seq. ID	OJ990528_08.0331.C70
Gene No.	94530	Strand	+
Start	838	End	2192
Name	OJ990528_08.0331.C70.o1.gs	Method	GENSCAN
Start	838	End	2126
GI	none	Score	.6
Exons	838..859, 1041..1170, 1728..2009, 2045..2126		

Seq. No.	44820	Seq. ID	OJ990528_08.0331.C70
Gene No.	94530	Strand	+
Start	838	End	2192
Name	OJ990528_08.0331.C70.o1.np	Method	AAT/NAP
Start	838	End	2192
GI	6815094	Score	921
Exons	838..859, 1041..1170, 1728..2009, 2045..2192		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44821	Seq. ID	OJ990528_08.0331.C71
Gene No.	94531	Strand	+
Start	58	End	2341
Name	OJ990528_08.0331.C71.o1.gp	Method	AAT/GAP
Start	58	End	2341
GI	uC-osflcyp177g02b1	Score	803
Exons	58..184, 303..355, 2077..2341		
GI Descrip.	'4678933/emb|CAB41324.1| 5.0e-20 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	44821	Seq. ID	OJ990528_08.0331.C71
Gene No.	94531	Strand	+
Start	58	End	2341
Name	OJ990528_08.0331.C71.o1.tm	Method	TBLASTX:Maize
Start	90	End	2189
GI	none	Score	119
Exons	90..170, 90..185, 91..201, 143..196, 293..358, 295..360, 302..355, 2066..2167, 2068..2187, 2074..2175, 2076..2189		

Seq. No.	44821	Seq. ID	OJ990528_08.0331.C71
Gene No.	94531	Strand	+
Start	58	End	2341
Name	OJ990528_08.0331.C71.o1.np	Method	AAT/NAP
Start	94	End	2190
GI	6815093	Score	387
Exons	94..184, 303..355, 2077..2190		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44821	Seq. ID	OJ990528_08.0331.C71

Gene No.	94531	Strand	+
Start	58	End	2341
Name	OJ990528_08.0331.C71.o1.gs	Method	GENSCAN
Start	158	End	2193
GI	none	Score	.94
Exons	158..355, 2077..2193		

Seq. No.	44822	Seq. ID	OJ990528_08.0331.C72
Gene No.	94532	Strand	+
Start	124	End	398
Name	OJ990528_08.0331.C72.o1.np	Method	AAT/NAP
Start	124	End	247
GI	6815093	Score	157
Exons	124..247		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44822	Seq. ID	OJ990528_08.0331.C72
Gene No.	94532	Strand	+
Start	124	End	398
Name	OJ990528_08.0331.C72.o1.gp	Method	AAT/GAP
Start	132	End	398
GI	uC-osflcyp177g02b1	Score	487
Exons	132..398		
GI Descrip.	'4678933/emb|CAB41324.1| 5.0e-20 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	44822	Seq. ID	OJ990528_08.0331.C72
Gene No.	94532	Strand	+
Start	124	End	398
Name	OJ990528_08.0331.C72.o1.gs	Method	GENSCAN
Start	134	End	250
GI	none	Score	1
Exons	134..250		

Seq. No.	44822	Seq. ID	OJ990528_08.0331.C72
Gene No.	94533	Strand	+
Start	1011	End	1751
Name	OJ990528_08.0331.C72.o2.np	Method	AAT/NAP
Start	1011	End	1751
GI	6815092	Score	418
Exons	1011..1118, 1593..1751		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44822	Seq. ID	OJ990528_08.0331.C72
Gene No.	94534	Strand	-
Start	1596	End	2051
Name	OJ990528_08.0331.C72.o3.gs	Method	GENSCAN
Start	1596	End	2051
GI	none	Score	.44
Exons	1596..1750, 1982..2051		

Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94535	Strand	+
Start	500	End	816
Name	OJ990528_08.0331.C73.o1.gp	Method	AAT/GAP
Start	500	End	816
GI	uC-osroM202027a08a1	Score	630

Exons	500..816		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o3.ts	Method	TBLASTX:Soybean
Start	487	End	1708
GI	none	Score	86
Exons	487..543, 601..726, 623..898, 624..725, 771..893, 1339..1470, 1364..1477, 1655..1708		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o1.gs	Method	GENSCAN
Start	611	End	3594
GI	none	Score	.88
Exons	611..919, 1354..1471, 1656..1777, 2533..2765, 3441..3594		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o1.np	Method	AAT/NAP
Start	614	End	3660
GI	6815091	Score	1686
Exons	614..919, 1354..1471, 1656..1777, 2256..2312, 2387..2449, 2533..2765, 3441..3660		
GI Descrip.	(AP001081) ESTs C28508(C61374),AU082215(C61374) correspond to a region of the predicted gene.; Similar to putative ubiquitin activating enzyme E1 (AF051135) [Oryza sativa]		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o1.tm	Method	TBLASTX:Maize
Start	623	End	3491
GI	none	Score	314
Exons	623..892, 624..890, 1340..1477, 1354..1470, 1653..1781, 1655..1780, 2256..2315, 2260..2313, 2383..2451, 2393..2449, 2502..2735, 2530..2766, 2531..2713, 2533..2766, 3433..3489, 3441..3491, 3442..3489		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o1.tc	Method	TBLASTX:Cress
Start	710	End	3654
GI	none	Score	100
Exons	710..895, 739..903, 762..893, 1340..1477, 1354..1470, 1653..1781, 1655..1780, 2260..2313, 2375..2449, 2386..2451, 2393..2449, 2530..2766, 2531..2713, 2539..2766, 3442..3648, 3443..3637, 3449..3649, 3451..3654		
Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-

Start	611	End	3660
Name	OJ990528_08.0331.C73.o1.ts	Method	TBLASTX:Soybean
Start	1709	End	2766
GI	none	Score	89
Exons	1709..1780, 1710..1778, 1715..1780, 2256..2315, 2257..2313, 2384..2452, 2393..2449, 2530..2766, 2531..2713, 2533..2766		

Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o2.gp	Method	AAT/GAP
Start	2254	End	2767
GI	3445014	Score	556
Exons	2254..2312, 2387..2449, 2533..2767		
GI Descrip.	2952433 3.0e-48 (AF051135) putative ubiquitin activating enzyme E1 [Arabidopsis thaliana]		

Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o2.ts	Method	TBLASTX:Soybean
Start	3460	End	3652
GI	none	Score	122
Exons	3460..3648, 3461..3652, 3464..3646		

Seq. No.	44823	Seq. ID	OJ990528_08.0331.C73
Gene No.	94536	Strand	-
Start	611	End	3660
Name	OJ990528_08.0331.C73.o2.tm	Method	TBLASTX:Maize
Start	3493	End	3649
GI	none	Score	89
Exons	3493..3648, 3495..3581, 3505..3642, 3506..3649, 3554..3646		

Seq. No.	44824	Seq. ID	OJ990528_08.0331.C76
Gene No.	94537	Strand	+
Start	1	End	953
Name	OJ990528_08.0331.C76.o1.np	Method	AAT/NAP
Start	1	End	953
GI	6815091	Score	329
Exons	1..84, 409..556, 741..953		
GI Descrip.	(AP001081) ESTs C28508(C61374),AU082215(C61374) correspond to a region of the predicted gene.; Similar to putative ubiquitin activating enzyme E1 (AF051135) [Oryza sativa]		

Seq. No.	44824	Seq. ID	OJ990528_08.0331.C76
Gene No.	94537	Strand	+
Start	1	End	953
Name	OJ990528_08.0331.C76.o1.tc	Method	TBLASTX:Cress
Start	431	End	872
GI	none	Score	179
Exons	431..559, 432..557, 735..872, 742..858		

Seq. No.	44824	Seq. ID	OJ990528_08.0331.C76
Gene No.	94537	Strand	+
Start	1	End	953
Name	OJ990528_08.0331.C76.o1.tm	Method	TBLASTX:Maize
Start	431	End	872

GI	none	Score	197
Exons	431..559, 432..557, 735..872,	742..858	
Seq. No.	44824	Seq. ID	OJ990528_08.0331.C76
Gene No.	94537	Strand	+
Start	1	End	953
Name	OJ990528_08.0331.C76.o1.gs	Method	GENSCAN
Start	435	End	858
GI	none	Score	.84
Exons	435..556, 741..858		
Seq. No.	44825	Seq. ID	OJ990528_08.0331.C78
Gene No.	94538	Strand	+
Start	1	End	798
Name	OJ990528_08.0331.C78.o1.np	Method	AAT/NAP
Start	1	End	798
GI	5902445	Score	764
Exons	1..798		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	44825	Seq. ID	OJ990528_08.0331.C78
Gene No.	94538	Strand	+
Start	1	End	798
Name	OJ990528_08.0331.C78.o1.gs	Method	GENSCAN
Start	67	End	682
GI	none	Score	.78
Exons	67..682		
Seq. No.	44825	Seq. ID	OJ990528_08.0331.C78
Gene No.	94538	Strand	+
Start	1	End	798
Name	OJ990528_08.0331.C78.o1.tm	Method	TBLASTX:Maize
Start	75	End	455
GI	none	Score	323
Exons	75..455, 227..454		
Seq. No.	44825	Seq. ID	OJ990528_08.0331.C78
Gene No.	94538	Strand	+
Start	1	End	798
Name	OJ990528_08.0331.C78.o1.tw	Method	TBLASTX:Wheat
Start	129	End	553
GI	none	Score	471
Exons	129..551, 132..521, 227..553		
Seq. No.	44825	Seq. ID	OJ990528_08.0331.C78
Gene No.	94538	Strand	+
Start	1	End	798
Name	OJ990528_08.0331.C78.o1.ts	Method	TBLASTX:Soybean
Start	183	End	608
GI	none	Score	316
Exons	183..608, 227..367, 429..599		
Seq. No.	44826	Seq. ID	OJ990528_08.0331.C81
Gene No.	94539	Strand	-
Start	1	End	1036
Name	OJ990528_08.0331.C81.o1.np	Method	AAT/NAP
Start	1	End	1036

GI	6721549	Score	1297
Exons	1..702, 839..1036		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	44826	Seq. ID	OJ990528_08.0331.C81
Gene No.	94539	Strand	-
Start	1	End	1036
Name	OJ990528_08.0331.C81.o1.gs	Method	GENSCAN
Start	186	End	1036
GI	none	Score	.84
Exons	186..324, 344..675, 839..1036		

Seq. No.	44827	Seq. ID	OJ990528_08.0331.C82
Gene No.	94540	Strand	+
Start	1050	End	1164
Name	OJ990528_08.0331.C82.o1.gs	Method	GENSCAN
Start	1050	End	1164
GI	none	Score	.52
Exons	1050..1164		

Seq. No.	44828	Seq. ID	OJ990528_08.0331.C83
Gene No.	94541	Strand	+
Start	1011	End	1151
Name	OJ990528_08.0331.C83.o1.gs	Method	GENSCAN
Start	1011	End	1090
GI	none	Score	.94
Exons	1011..1090		

Seq. No.	44828	Seq. ID	OJ990528_08.0331.C83
Gene No.	94541	Strand	+
Start	1011	End	1151
Name	OJ990528_08.0331.C83.o1.np	Method	AAT/NAP
Start	1011	End	1151
GI	6721550	Score	157
Exons	1011..1151		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	44829	Seq. ID	OJ990528_08.0331.C85
Gene No.	94542	Strand	+
Start	1	End	156
Name	OJ990528_08.0331.C85.o1.np	Method	AAT/NAP
Start	1	End	156
GI	6721555	Score	254
Exons	1..156		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815080|dbj|BAA90366.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	44829	Seq. ID	OJ990528_08.0331.C85
Gene No.	94543	Strand	-
Start	203	End	742
Name	OJ990528_08.0331.C85.o2.np	Method	AAT/NAP
Start	203	End	742
GI	5777617	Score	85
Exons	203..307, 706..742		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	44830	Seq. ID	OJ990528_08.0331.C86
Gene No.	94544	Strand	+
Start	479	End	792
Name	OJ990528_08.0331.C86.o1.gs	Method	GENSCAN
Start	479	End	676
GI	none	Score	.86
Exons	479..676		

Seq. No.	44830	Seq. ID	OJ990528_08.0331.C86
Gene No.	94544	Strand	+
Start	479	End	792
Name	OJ990528_08.0331.C86.o1.np	Method	AAT/NAP
Start	479	End	792
GI	6721550	Score	299
Exons	479..676, 741..792		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15
Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	43	End	957
GI	none	Score	186
Exons	43..174, 43..123, 45..185, 129..170, 132..212, 220..264, 225..278, 227..277, 296..379, 297..956, 297..827, 316..957, 874..957		

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15
Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o1.gp	Method	AAT/GAP
Start	209	End	617
GI	uC-osflcyp086h07a1	Score	786
Exons	209..617		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15
Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o1.tw	Method	TBLASTX:Wheat
Start	220	End	678
GI	none	Score	45
Exons	220..264, 226..264, 227..277, 275..295, 297..668, 297..671, 316..669, 316..678, 401..670		

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15
Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o1.tc	Method	TBLASTX:Cress
Start	309	End	829
GI	none	Score	156
Exons	309..521, 312..482, 316..513, 516..725, 529..723, 538..732, 543..731, 747..788, 748..780, 791..829		

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15

Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o1.ts	Method	TBLASTX:Soybean
Start	309	End	957
GI	none	Score	158
Exons	309..473, 309..521, 316..525, 536..844, 538..759, 757..783, 880..957		316..543, 516..722, 532..723, 800..865, 851..955, 862..957,

Seq. No.	44831	Seq. ID	OJ990608_03.0309.C15
Gene No.	94545	Strand	+
Start	209	End	957
Name	OJ990608_03.0309.C15.o2.tw	Method	TBLASTX:Wheat
Start	750	End	957
GI	none	Score	60
Exons	750..785, 751..789, 759..827, 836..955, 853..957, 855..956,		769..825, 771..827, 836..955, 874..957

Seq. No.	44832	Seq. ID	OJ990608_03.0309.C18
Gene No.	94546	Strand	
Start	8	End	263
Name	OJ990608_03.0309.C18.o2.tc	Method	TBLASTX:Cress
Start	8	End	263
GI	none	Score	74
Exons	8..73, 9..74, 9..74, 69..107, 219..263, 224..259		69..218, 71..217, 71..232,

Seq. No.	44832	Seq. ID	OJ990608_03.0309.C18
Gene No.	94547	Strand	
Start	417	End	871
Name	OJ990608_03.0309.C18.o1.tw	Method	TBLASTX:Wheat
Start	417	End	847
GI	none	Score	214
Exons	417..563, 417..578, 584..658, 592..690, 677..847, 677..847		584..676, 585..680, 586..672,

Seq. No.	44832	Seq. ID	OJ990608_03.0309.C18
Gene No.	94547	Strand	
Start	417	End	871
Name	OJ990608_03.0309.C18.o1.ts	Method	TBLASTX:Soybean
Start	488	End	871
GI	none	Score	52
Exons	488..589, 584..646, 584..676, 677..859, 679..870		585..680, 586..672, 677..871,

Seq. No.	44832	Seq. ID	OJ990608_03.0309.C18
Gene No.	94547	Strand	
Start	417	End	871
Name	OJ990608_03.0309.C18.o1.tc	Method	TBLASTX:Cress
Start	493	End	871
GI	none	Score	85
Exons	493..579, 495..578, 503..583, 586..672, 592..690, 677..871,		584..658, 584..676, 585..680, 678..869, 679..870

Seq. No.	44832	Seq. ID	OJ990608_03.0309.C18
Gene No.	94547	Strand	
Start	417	End	871

Name	OJ990608_03.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	615	End	871
GI	none	Score	326
Exons	615..869, 617..871, 617..871		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94548	Strand	+
Start	1205	End	1583
Name	OJ990608_03.0309.C24.o2.gp	Method	AAT/GAP
Start	1205	End	1583
GI	uC-osflm202104g03b1	Score	738
Exons	1205..1583		
GI Descrip.	'131211/sp|P19443|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94549	Strand	-
Start	1	End	365
Name	OJ990608_03.0309.C24.o1.gp	Method	AAT/GAP
Start	1	End	129
GI	5005167	Score	258
Exons	1..129		
GI Descrip.	140281/sp|P09363|YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir__S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94549	Strand	-
Start	1	End	365
Name	OJ990608_03.0309.C24.o1.ts	Method	TBLASTX:Soybean
Start	1	End	365
GI	none	Score	129
Exons	1..93, 2..94, 3..95, 104..142, 105..146, 106..144, 188..226, 189..224, 190..225, 223..363, 225..365, 228..365		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94549	Strand	-
Start	1	End	365
Name	OJ990608_03.0309.C24.o1.tm	Method	TBLASTX:Maize
Start	1	End	365
GI	none	Score	238
Exons	1..144, 1..144, 2..145, 96..146, 188..364, 189..365		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94549	Strand	-
Start	1	End	365
Name	OJ990608_03.0309.C24.o2.tc	Method	TBLASTX:Cress
Start	265	End	365
GI	none	Score	182
Exons	265..363, 266..364, 267..365		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94550	Strand	
Start	518	End	640

Name	OJ990608_03.0309.C24.o3.tm	Method	TBLASTX:Maize
Start	518	End	640
GI	none	Score	181
Exons	518..640, 520..633, 521..634		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94551	Strand	
Start	1102	End	1503
Name	OJ990608_03.0309.C24.o1.tw	Method	TBLASTX:Wheat
Start	1102	End	1490
GI	none	Score	83
Exons	1102..1161, 1103..1180, 1144..1182, 1205..1453, 1209..1475, 1215..1490		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94551	Strand	
Start	1102	End	1503
Name	OJ990608_03.0309.C24.o2.tm	Method	TBLASTX:Maize
Start	1187	End	1503
GI	none	Score	380
Exons	1187..1495, 1188..1502, 1188..1502, 1444..1503		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94551	Strand	
Start	1102	End	1503
Name	OJ990608_03.0309.C24.o2.ts	Method	TBLASTX:Soybean
Start	1261	End	1415
GI	none	Score	168
Exons	1261..1368, 1263..1415		

Seq. No.	44833	Seq. ID	OJ990608_03.0309.C24
Gene No.	94551	Strand	
Start	1102	End	1503
Name	OJ990608_03.0309.C24.o1.tc	Method	TBLASTX:Cress
Start	1264	End	1424
GI	none	Score	165
Exons	1264..1368, 1266..1424		

Seq. No.	44834	Seq. ID	OJ990608_03.0309.C27
Gene No.	94552	Strand	+
Start	1	End	270
Name	OJ990608_03.0309.C27.o1.gp	Method	AAT/GAP
Start	1	End	270
GI	5886_1.R1084	Score	540
Exons	1..270		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	44834	Seq. ID	OJ990608_03.0309.C27
Gene No.	94553	Strand	-
Start	417	End	711
Name	OJ990608_03.0309.C27.o2.tm	Method	TBLASTX:Maize
Start	2	End	156
GI	none	Score	71
Exons	2..55, 2..106, 2..106, 2..55, 39..107, 96..155, 96..155, 97..156, 97..156		

Seq. No.	44834	Seq. ID	OJ990608_03.0309.C27
Gene No.	94553	Strand	-
Start	417	End	711
Name	OJ990608_03.0309.C27.o1.ts	Method	TBLASTX:Soybean
Start	227	End	710
GI	none	Score	168
Exons	227..463, 239..469, 246..470,	289..471,	609..710, 630..707

Seq. No.	44834	Seq. ID	OJ990608_03.0309.C27
Gene No.	94553	Strand	-
Start	417	End	711
Name	OJ990608_03.0309.C27.o1.tm	Method	TBLASTX:Maize
Start	367	End	651
GI	none	Score	175
Exons	367..477, 367..483, 405..497,	489..554,	494..559, 511..576,
	530..568, 571..597, 572..598,	594..650,	609..650, 610..651,
	610..651		

Seq. No.	44834	Seq. ID	OJ990608_03.0309.C27
Gene No.	94553	Strand	-
Start	417	End	711
Name	OJ990608_03.0309.C27.o2.gp	Method	AAT/GAP
Start	417	End	711
GI	LIB3431-005-P1-N1-A5	Score	553
Exons	417..711		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	44835	Seq. ID	OJ990608_03.0309.C33
Gene No.	94554	Strand	
Start	44	End	709
Name	OJ990608_03.0309.C33.o1.tc	Method	TBLASTX:Cress
Start	44	End	454
GI	none	Score	110
Exons	44..151, 48..125, 64..126,	108..302,	126..305, 127..303,
	338..388, 339..389, 377..451,	398..454	

Seq. No.	44835	Seq. ID	OJ990608_03.0309.C33
Gene No.	94554	Strand	
Start	44	End	709
Name	OJ990608_03.0309.C33.o1.tm	Method	TBLASTX:Maize
Start	205	End	695
GI	none	Score	38
Exons	205..276, 415..642, 415..624,	417..641,	620..694, 621..695,
	622..693, 623..694		

Seq. No.	44835	Seq. ID	OJ990608_03.0309.C33
Gene No.	94554	Strand	
Start	44	End	709
Name	OJ990608_03.0309.C33.o1.ts	Method	TBLASTX:Soybean
Start	386	End	709
GI	none	Score	78

Exons	386..436, 386..436, 388..438, 531..620, 533..622, 536..622, 537..623, 626..709, 627..707		
Seq. No.	44836	Seq. ID	OJ990608_03.0309.C34
Gene No.	94555	Strand	
Start	42	End	639
Name	OJ990608_03.0309.C34.o1.tc	Method	TBLASTX:Cress
Start	42	End	494
GI	none	Score	243
Exons	42..314, 43..339, 43..330, 436..492, 436..492, 444..494		
Seq. No.	44836	Seq. ID	OJ990608_03.0309.C34
Gene No.	94555	Strand	
Start	42	End	639
Name	OJ990608_03.0309.C34.o1.ts	Method	TBLASTX:Soybean
Start	42	End	534
GI	none	Score	399
Exons	42..533, 42..533, 43..534		
Seq. No.	44836	Seq. ID	OJ990608_03.0309.C34
Gene No.	94555	Strand	
Start	42	End	639
Name	OJ990608_03.0309.C34.o2.tw	Method	TBLASTX:Wheat
Start	77	End	193
GI	none	Score	205
Exons	77..193, 79..192		
Seq. No.	44836	Seq. ID	OJ990608_03.0309.C34
Gene No.	94555	Strand	
Start	42	End	639
Name	OJ990608_03.0309.C34.o1.tw	Method	TBLASTX:Wheat
Start	312	End	639
GI	none	Score	377
Exons	312..575, 319..639, 319..639		
Seq. No.	44837	Seq. ID	OJ990608_03.0309.C37
Gene No.	94556	Strand	
Start	340	End	646
Name	OJ990608_03.0309.C37.o1.ts	Method	TBLASTX:Soybean
Start	340	End	646
GI	none	Score	154
Exons	340..498, 344..523, 352..522, 354..533, 566..646, 567..638		
Seq. No.	44838	Seq. ID	OJ990608_03.0309.C38
Gene No.	94557	Strand	
Start	30	End	742
Name	OJ990608_03.0309.C38.o1.ts	Method	TBLASTX:Soybean
Start	30	End	614
GI	none	Score	133
Exons	30..191, 33..209, 35..211, 58..192, 194..238, 212..238, 389..613, 389..613, 435..614		
Seq. No.	44838	Seq. ID	OJ990608_03.0309.C38
Gene No.	94557	Strand	
Start	30	End	742
Name	OJ990608_03.0309.C38.o1.tm	Method	TBLASTX:Maize
Start	78	End	742

GI	none	Score	197
Exons	78..209, 78..209, 79..210, 79..210, 197..241, 203..241, 242..265, 243..269, 272..742, 278..730		

Seq. No.	44838	Seq. ID	OJ990608_03.0309.C38
Gene No.	94557	Strand	
Start	30	End	742
Name	OJ990608_03.0309.C38.o1.tc	Method	TBLASTX:Cress
Start	566	End	742
GI	none	Score	132
Exons	566..742, 567..731, 572..742		

Seq. No.	44839	Seq. ID	OJ990608_03.0309.C40
Gene No.	94558	Strand	
Start	70	End	740
Name	OJ990608_03.0309.C40.o2.tm	Method	TBLASTX:Maize
Start	70	End	310
GI	none	Score	58
Exons	70..135, 80..133, 113..166, 123..164, 124..165, 125..169, 171..299, 173..310, 174..299		

Seq. No.	44839	Seq. ID	OJ990608_03.0309.C40
Gene No.	94558	Strand	
Start	70	End	740
Name	OJ990608_03.0309.C40.o1.tw	Method	TBLASTX:Wheat
Start	80	End	635
GI	none	Score	55
Exons	80..154, 85..153, 113..199, 123..317, 148..270, 159..299, 286..411, 296..409, 403..474, 410..499, 416..490, 448..519, 449..499, 460..501, 490..573, 493..573, 494..586, 495..581, 575..604, 576..635		

Seq. No.	44839	Seq. ID	OJ990608_03.0309.C40
Gene No.	94558	Strand	
Start	70	End	740
Name	OJ990608_03.0309.C40.o1.tm	Method	TBLASTX:Maize
Start	312	End	740
GI	none	Score	126
Exons	312..407, 312..407, 314..409, 329..409, 416..478, 416..478, 434..556, 436..573, 458..574, 575..604, 579..683, 610..684, 630..689, 632..688, 673..738, 674..739, 675..740		

Seq. No.	44839	Seq. ID	OJ990608_03.0309.C40
Gene No.	94559	Strand	
Start	812	End	1092
Name	OJ990608_03.0309.C40.o1.tc	Method	TBLASTX:Cress
Start	812	End	1092
GI	none	Score	47
Exons	812..838, 812..838, 936..1079, 936..1079, 949..1092		

Seq. No.	44839	Seq. ID	OJ990608_03.0309.C40
Gene No.	94559	Strand	
Start	812	End	1092
Name	OJ990608_03.0309.C40.o1.ts	Method	TBLASTX:Soybean
Start	812	End	1078
GI	none	Score	177
Exons	812..907, 948..1076, 949..1077, 950..1078, 952..1077		

Seq. No.	44840	Seq. ID	OJ990608_03.0309.C46
Gene No.	94560	Strand	-
Start	721	End	1021
Name	OJ990608_03.0309.C46.o2.ts	Method	TBLASTX:Soybean
Start	66	End	203
GI	none	Score	128
Exons	66..194, 81..203		

Seq. No.	44840	Seq. ID	OJ990608_03.0309.C46
Gene No.	94560	Strand	-
Start	721	End	1021
Name	OJ990608_03.0309.C46.o1.ts	Method	TBLASTX:Soybean
Start	570	End	1021
GI	none	Score	337
Exons	570..1019, 571..1020, 571..1020, 572..1021		

Seq. No.	44840	Seq. ID	OJ990608_03.0309.C46
Gene No.	94560	Strand	-
Start	721	End	1021
Name	OJ990608_03.0309.C46.o1.tm	Method	TBLASTX:Maize
Start	621	End	1021
GI	none	Score	504
Exons	621..1019, 622..1020, 623..1021		

Seq. No.	44840	Seq. ID	OJ990608_03.0309.C46
Gene No.	94560	Strand	-
Start	721	End	1021
Name	OJ990608_03.0309.C46.o1.gp	Method	AAT/GAP
Start	721	End	1021
GI	2798177	Score	529
Exons	721..1021		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94561	Strand	-
Start	1	End	761
Name	OJ990608_03.0309.C49.o1.gp	Method	AAT/GAP
Start	1	End	761
GI	2721_1.R1084	Score	1470
Exons	1..761		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o2.tm	Method	TBLASTX:Maize
Start	1	End	243
GI	none	Score	153
Exons	1..141, 2..130, 112..156, 116..160, 144..242, 159..242, 160..243		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49

Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o1.tm	Method	TBLASTX:Maize
Start	245	End	1011
GI	none	Score	200
Exons	245..409, 245..346, 337..369, 382..696, 394..696, 395..697, 656..781, 666..779, 668..781, 781..873, 782..898, 782..910, 789..920, 860..1006, 902..1006, 916..1011		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o1.tc	Method	TBLASTX:Cress
Start	424	End	881
GI	none	Score	272
Exons	424..654, 437..658, 451..660, 726..809, 727..813, 728..811, 730..813, 734..814, 816..881, 822..878		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o1.ts	Method	TBLASTX:Soybean
Start	448	End	984
GI	none	Score	253
Exons	448..627, 452..628, 452..628, 453..629, 457..630, 719..778, 721..792, 724..777, 725..778, 784..837, 785..838, 788..835, 823..876, 825..908, 845..916, 869..913, 935..982, 935..976, 937..984		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o1.tw	Method	TBLASTX:Wheat
Start	627	End	1038
GI	none	Score	183
Exons	627..743, 629..748, 629..748, 745..792, 745..783, 782..904, 783..905, 879..989, 908..991, 908..988, 987..1022, 988..1038, 991..1038		

Seq. No.	44841	Seq. ID	OJ990608_03.0309.C49
Gene No.	94562	Strand	-
Start	799	End	1040
Name	OJ990608_03.0309.C49.o2.gp	Method	AAT/GAP
Start	799	End	1040
GI	2135_1.R1084	Score	424
Exons	799..1040		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	44842	Seq. ID	OJ000251_50.0404.C1
Gene No.	94563	Strand	+
Start	1	End	775
Name	OJ000251_50.0404.C1.o1.np	Method	AAT/NAP
Start	1	End	775
GI	5852180	Score	563
Exons	1..150, 202..775		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44842	Seq. ID	OJ000251_50.0404.C1
Gene No.	94563	Strand	+
Start	1	End	775
Name	OJ000251_50.0404.C1.o1.gs	Method	GENSCAN
Start	195	End	677
GI	none	Score	.53
Exons	195..677		

Seq. No.	44843	Seq. ID	OJ000251_50.0404.C3
Gene No.	94564	Strand	+
Start	1	End	70
Name	OJ000251_50.0404.C3.o1.np	Method	AAT/NAP
Start	1	End	70
GI	4680186	Score	96
Exons	1..70		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44843	Seq. ID	OJ000251_50.0404.C3
Gene No.	94565	Strand	+
Start	1	End	3967
Name	OJ000251_50.0404.C3.o2.np	Method	AAT/NAP
Start	1	End	3967
GI	5852180	Score	451
Exons	1..23, 765..880, 932..1337, 3885..3967		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44843	Seq. ID	OJ000251_50.0404.C3
Gene No.	94565	Strand	+
Start	1	End	3967
Name	OJ000251_50.0404.C3.o1.gs	Method	GENSCAN
Start	991	End	3925
GI	none	Score	.49
Exons	991..1241, 2538..2639, 2994..3334, 3792..3925		

Seq. No.	44843	Seq. ID	OJ000251_50.0404.C3
Gene No.	94566	Strand	-
Start	1	End	3407
Name	OJ000251_50.0404.C3.o3.np	Method	AAT/NAP
Start	1	End	3407
GI	7106512	Score	329
Exons	1..26, 1198..1377, 1969..2471, 2847..2997, 3180..3298, 3342..3407		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44843	Seq. ID	OJ000251_50.0404.C3
Gene No.	94567	Strand	-
Start	3559	End	3669
Name	OJ000251_50.0404.C3.o1.gp	Method	AAT/GAP
Start	3559	End	3669
GI	5816518	Score	134
Exons	3559..3669		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4

Gene No.	94568	Strand	+
Start	1090	End	10820
Name	OJ000251_50.0404.C4.o1.gs	Method	GENSCAN
Start	1090	End	10820
GI	none	Score	.44
Exons	1090..1450, 1631..2078, 2155..2258, 2766..2834, 4877..5455, 5960..6041, 6142..6231, 6662..6734, 6952..7079, 7343..7455, 9063..9310, 10613..10820		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94568	Strand	+
Start	1090	End	10820
Name	OJ000251_50.0404.C4.o1.np	Method	AAT/NAP
Start	4665	End	7617
GI	4680203	Score	1625
Exons	4665..6277, 6437..6684, 6963..7617		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94569	Strand	+
Start	11689	End	11929
Name	OJ000251_50.0404.C4.o1.gp	Method	AAT/GAP
Start	11689	End	11929
GI	uC-osf1cyp033a04b1	Score	435
Exons	11689..11929		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o3.tw	Method	TBLASTX:Wheat
Start	5000	End	5499
GI	none	Score	240
Exons	5000..5416, 5089..5415, 5429..5476, 5446..5499		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o1.ts	Method	TBLASTX:Soybean
Start	5104	End	5409
GI	none	Score	76
Exons	5104..5358, 5125..5409, 5126..5407		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o1.tc	Method	TBLASTX:Cress
Start	5426	End	5775
GI	none	Score	62
Exons	5426..5488, 5434..5496, 5485..5775, 5526..5582, 5622..5774		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o3.ts	Method	TBLASTX:Soybean
Start	5426	End	5694

GI	none	Score	59
Exons	5426..5488, 5485..5694, 5499..5693		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.tw	Method	TBLASTX:Wheat
Start	5562	End	5862
GI	none	Score	316
Exons	5562..5834, 5563..5862		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o1.tm	Method	TBLASTX:Maize
Start	5614	End	6050
GI	none	Score	220
Exons	5614..5745, 5619..5846, 5620..5862, 5895..6050		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.ts	Method	TBLASTX:Soybean
Start	5894	End	6122
GI	none	Score	210
Exons	5894..6058, 5895..6122		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o3.tm	Method	TBLASTX:Maize
Start	6198	End	6422
GI	none	Score	219
Exons	6198..6422, 6270..6413		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o1.tw	Method	TBLASTX:Wheat
Start	6564	End	7560
GI	none	Score	220
Exons	6564..6830, 6608..6829, 6799..7110, 6830..7108, 7115..7339, 7329..7430, 7329..7430, 7330..7431, 7507..7560		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.tm	Method	TBLASTX:Maize
Start	6605	End	6922
GI	none	Score	184
Exons	6605..6829, 6606..6830, 6811..6903, 6830..6922		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.tc	Method	TBLASTX:Cress
Start	6853	End	7279

GI	none	Score	201
Exons	6853..7110, 6857..7108, 7115..7279		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.np	Method	AAT/NAP
Start	10367	End	11929
GI	5852180	Score	402
Exons	10367..10769, 10821..10946, 11843..11929		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o2.gs	Method	GENSCAN
Start	11124	End	11822
GI	none	Score	.51
Exons	11124..11256, 11686..11822		

Seq. No.	44844	Seq. ID	OJ000251_50.0404.C4
Gene No.	94570	Strand	-
Start	10367	End	11929
Name	OJ000251_50.0404.C4.o3.np	Method	AAT/NAP
Start	11622	End	11822
GI	4680186	Score	335
Exons	11622..11822		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44845	Seq. ID	OJ000251_50.0404.C5
Gene No.	94571	Strand	+
Start	231	End	612
Name	OJ000251_50.0404.C5.o1.gp	Method	AAT/GAP
Start	231	End	612
GI	uC-osflcyp033a04b1	Score	655
Exons	231..612		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44845	Seq. ID	OJ000251_50.0404.C5
Gene No.	94572	Strand	+
Start	520	End	1658
Name	OJ000251_50.0404.C5.o1.gs	Method	GENSCAN
Start	520	End	1658
GI	none	Score	.82
Exons	520..564, 1530..1658		

Seq. No.	44845	Seq. ID	OJ000251_50.0404.C5
Gene No.	94573	Strand	-
Start	160	End	2124
Name	OJ000251_50.0404.C5.o1.np	Method	AAT/NAP
Start	160	End	2124
GI	4680186	Score	274
Exons	160..364, 1233..1287, 2102..2124		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6

Gene No.	94574	Strand	+
Start	2320	End	7045
Name	OJ000251_50.0404.C6.o1.np	Method	AAT/NAP
Start	2320	End	7045
GI	5852180	Score	553
Exons	2320..2382, 3367..3896, 4598..4634, 6984..7045		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94574	Strand	+
Start	2320	End	7045
Name	OJ000251_50.0404.C6.o2.gs	Method	GENSCAN
Start	3529	End	3930
GI	none	Score	1
Exons	3529..3930		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94575	Strand	-
Start	374	End	2612
Name	OJ000251_50.0404.C6.o1.gs	Method	GENSCAN
Start	374	End	2434
GI	none	Score	.46
Exons	374..617, 780..971, 2363..2434		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94575	Strand	-
Start	374	End	2612
Name	OJ000251_50.0404.C6.o1.gp	Method	AAT/GAP
Start	2231	End	2612
GI	uC-osflcyp033a04b1	Score	679
Exons	2231..2612		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94576	Strand	-
Start	2691	End	7045
Name	OJ000251_50.0404.C6.o2.np	Method	AAT/NAP
Start	2691	End	7045
GI	6983860	Score	473
Exons	2691..2737, 6145..6280, 6491..7045		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94576	Strand	-
Start	2691	End	7045
Name	OJ000251_50.0404.C6.o3.gs	Method	GENSCAN
Start	5210	End	6900
GI	none	Score	.42
Exons	5210..5283, 5489..5702, 6065..6396, 6640..6900		

Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94576	Strand	-
Start	2691	End	7045
Name	OJ000251_50.0404.C6.o1.tm	Method	TBLASTX:Maize
Start	6626	End	6925

GI	none	Score	75
Exons	6626..6925, 6822..6911		
Seq. No.	44846	Seq. ID	OJ000251_50.0404.C6
Gene No.	94576	Strand	-
Start	2691	End	7045
Name	OJ000251_50.0404.C6.o1.tw	Method	TBLASTX:Wheat
Start	6629	End	6925
GI	none	Score	100
Exons	6629..6925, 6722..6913		
Seq. No.	44847	Seq. ID	OJ000251_50.0404.C7
Gene No.	94577	Strand	+
Start	54	End	3119
Name	OJ000251_50.0404.C7.o1.gs	Method	GENSCAN
Start	54	End	2964
GI	none	Score	.53
Exons	54..117, 499..1175, 2541..2709, 2860..2964		
Seq. No.	44847	Seq. ID	OJ000251_50.0404.C7
Gene No.	94577	Strand	+
Start	54	End	3119
Name	OJ000251_50.0404.C7.o2.np	Method	AAT/NAP
Start	2580	End	3119
GI	5902448	Score	983
Exons	2580..3119		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	44847	Seq. ID	OJ000251_50.0404.C7
Gene No.	94578	Strand	-
Start	1120	End	1267
Name	OJ000251_50.0404.C7.o1.gp	Method	AAT/GAP
Start	1120	End	1267
GI	uC-osflcyp177g01a1	Score	233
Exons	1120..1267		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	44847	Seq. ID	OJ000251_50.0404.C7
Gene No.	94579	Strand	
Start	2700	End	2990
Name	OJ000251_50.0404.C7.o1.tw	Method	TBLASTX:Wheat
Start	2700	End	2990
GI	none	Score	214
Exons	2700..2990		
Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94580	Strand	+
Start	4529	End	11070
Name	OJ000251_50.0404.C8.o3.np	Method	AAT/NAP
Start	4529	End	8449
GI	5295955	Score	391
Exons	4529..4667, 5774..5910, 6449..6562, 7244..7309, 7375..7618, 7719..8449		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94580	Strand	+
Start	4529	End	11070
Name	OJ000251_50.0404.C8.o2.gs	Method	GENSCAN
Start	5555	End	11070
GI	none	Score	.77
Exons	5555..5611, 5841..5978, 6385..6503, 7249..7472, 8651..9030, 9249..9406, 9488..9846, 9921..10108, 10184..10373, 10400..10549, 10622..11070		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94580	Strand	+
Start	4529	End	11070
Name	OJ000251_50.0404.C8.o4.np	Method	AAT/NAP
Start	6882	End	11067
GI	6691716	Score	1373
Exons	6882..6917, 8738..9016, 9214..9406, 9488..9600, 9677..9734, 9800..10108, 10184..10283, 10433..10549, 10622..11067		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.gs	Method	GENSCAN
Start	286	End	4836
GI	none	Score	.75
Exons	286..875, 1074..4836		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.np	Method	AAT/NAP
Start	289	End	4836
GI	4680179	Score	6818
Exons	289..4836		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o6.tw	Method	TBLASTX:Wheat
Start	299	End	667
GI	none	Score	35
Exons	299..352, 334..666, 355..516, 458..574, 559..639, 614..667		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o7.tm	Method	TBLASTX:Maize
Start	313	End	510
GI	none	Score	198
Exons	313..510		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-

Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	514	End	1113
GI	none	Score	258
Exons	514..954, 527..949, 954..1109, 958..1113, 959..1105		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	667	End	1293
GI	none	Score	377
Exons	667..1293, 668..1291		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o4.tm	Method	TBLASTX:Maize
Start	1162	End	1453
GI	none	Score	261
Exons	1162..1452, 1166..1453		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o2.ts	Method	TBLASTX:Soybean
Start	1252	End	1512
GI	none	Score	164
Exons	1252..1512, 1253..1507		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.tc	Method	TBLASTX:Cress
Start	1276	End	1593
GI	none	Score	92
Exons	1276..1419, 1277..1417, 1420..1593		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o3.tw	Method	TBLASTX:Wheat
Start	1300	End	1779
GI	none	Score	261
Exons	1300..1779, 1301..1555, 1336..1746		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o2.tw	Method	TBLASTX:Wheat
Start	1783	End	2292
GI	none	Score	268
Exons	1783..2292, 1870..2250, 1874..2284		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836

Name	OJ000251_50.0404.C8.o2.tm	Method	TBLASTX:Maize
Start	1857	End	2220
GI	none	Score	239
Exons	1857..2180, 1867..2220, 1874..2218		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o3.ts	Method	TBLASTX:Soybean
Start	2041	End	2286
GI	none	Score	209
Exons	2041..2286		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o3.tm	Method	TBLASTX:Maize
Start	2257	End	2757
GI	none	Score	39
Exons	2257..2592, 2303..2350, 2375..2506, 2578..2757		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o5.tw	Method	TBLASTX:Wheat
Start	2293	End	2595
GI	none	Score	243
Exons	2293..2595, 2294..2566, 2302..2592, 2517..2594		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o1.ts	Method	TBLASTX:Soybean
Start	2308	End	2703
GI	none	Score	170
Exons	2308..2667, 2309..2575, 2338..2655, 2595..2660, 2671..2703, 2675..2701		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o4.tw	Method	TBLASTX:Wheat
Start	2644	End	3126
GI	none	Score	262
Exons	2644..3126, 2687..3022		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o5.tm	Method	TBLASTX:Maize
Start	2825	End	3114
GI	none	Score	172
Exons	2825..3016, 2827..3114		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836

Name	OJ000251_50.0404.C8.o8.tw	Method	TBLASTX:Wheat
Start	3301	End	3702
GI	none	Score	54
Exons	3301..3474, 3332..3400, 3382..3441, 3478..3702, 3536..3688		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o8.tm	Method	TBLASTX:Maize
Start	3388	End	3664
GI	none	Score	78
Exons	3388..3663, 3563..3664		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o6.tm	Method	TBLASTX:Maize
Start	4030	End	4362
GI	none	Score	104
Exons	4030..4362, 4175..4339		

Seq. No.	44848	Seq. ID	OJ000251_50.0404.C8
Gene No.	94581	Strand	-
Start	286	End	4836
Name	OJ000251_50.0404.C8.o7.tw	Method	TBLASTX:Wheat
Start	4243	End	4623
GI	none	Score	96
Exons	4243..4623, 4244..4477, 4501..4596		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o2.gs	Method	GENSCAN
Start	4038	End	12690
GI	none	Score	.65
Exons	4038..4119, 5122..5200, 5458..5492, 6520..6730, 7074..7371, 7465..7556, 7660..7710, 7768..7888, 9337..9365, 11010..11671, 11728..12072, 12224..12690		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o4.np	Method	AAT/NAP
Start	10498	End	12178
GI	6907087	Score	657
Exons	10498..10576, 10870..11159, 11370..12178		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o8.np	Method	AAT/NAP
Start	11485	End	26997
GI	7248394	Score	293
Exons	11485..11576, 25914..26230, 26614..26997		

GI Descrip. (AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o5.np	Method	AAT/NAP
Start	12157	End	13882
GI	4680203	Score	371
Exons	12157..12688, 13469..13882		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o6.np	Method	AAT/NAP
Start	12792	End	14920
GI	81286	Score	210
Exons	12792..12827, 14478..14920		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o1.gp	Method	AAT/GAP
Start	19451	End	20525
GI	15808_1.R1084	Score	1291
Exons	19451..19791, 19973..20041, 20155..20525		
GI Descrip.	'135794/sp|P09617|THN5_HORVU 2.0e-29 LEAF-SPECIFIC THIONIN PRECURSOR (CLONES PKG1348, PKG1940, PKG2872 AND DG3) >gi_167102 (M19046) precursor thionin [Hordeum vulgare] >gi_167104 (M19047) precursor thionin [Hordeum vulgare] >gi_167106 (M19048) precursor thionin [Hordeum vulgare]'		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o7.np	Method	AAT/NAP
Start	19554	End	20252
GI	1076463	Score	224
Exons	19554..19796, 19984..20057, 20162..20252		
GI Descrip.	thionin variant Thi2Ca10 - Abyssinian crambe gi|802168|bbs|159026 crambin precursor=thionin variant Thi2Ca10 [Crambe abyssinica, seeds, Peptide Partial, 134 aa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o2.gp	Method	AAT/GAP
Start	19579	End	20525
GI	15808_1.R1084	Score	1095
Exons	19579..19791, 19973..20041, 20155..20525		
GI Descrip.	'135794/sp|P09617|THN5_HORVU 2.0e-29 LEAF-SPECIFIC THIONIN		

PRECURSOR (CLONES PKG1348, PKG1940, PKG2872 AND DG3) >gi_167102 (M19046) precursor thionin [Hordeum vulgare] >gi_167104 (M19047) precursor thionin [Hordeum vulgare] >gi_167106 (M19048) precursor thionin [Hordeum vulgare]'

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o4.gs	Method	GENSCAN
Start	20032	End	20255
GI	none	Score	.96
Exons	20032..20041, 20155..20255		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o5.gs	Method	GENSCAN
Start	21359	End	30729
GI	none	Score	.46
Exons	21359..21515, 21586..21722, 22214..22280, 23731..23818, 24063..24268, 24332..24439, 24587..24783, 25171..25452, 25578..25817, 27756..27864, 28387..28502, 29253..29372, 30646..30729		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o9.np	Method	AAT/NAP
Start	26923	End	29162
GI	629693	Score	239
Exons	26923..26993, 27093..27780, 29122..29162		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94582	Strand	+
Start	4038	End	30729
Name	OJ000251_50.0404.C9.o10.np	Method	AAT/NAP
Start	27866	End	29086
GI	7339719	Score	229
Exons	27866..28261, 28377..28618, 28697..29086		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94583	Strand	+
Start	35080	End	37000
Name	OJ000251_50.0404.C9.o13.np	Method	AAT/NAP
Start	35080	End	37000
GI	6907087	Score	828
Exons	35080..35483, 35692..36360, 36899..37000		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94584	Strand	+
Start	37465	End	37846

Name	OJ000251_50.0404.C9.o5.gp	Method	AAT/GAP
Start	37465	End	37846
GI	uC-osflcyp033a04b1	Score	635
Exons	37465..37846		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94585	Strand	+
Start	38955	End	40045
Name	OJ000251_50.0404.C9.o15.np	Method	AAT/NAP
Start	38955	End	40045
GI	4680186	Score	390
Exons	38955..39006, 39845..40045		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94586	Strand	-
Start	1	End	1588
Name	OJ000251_50.0404.C9.o1.np	Method	AAT/NAP
Start	1	End	1588
GI	6983860	Score	1860
Exons	1..238, 494..1588		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94587	Strand	-
Start	1872	End	2668
Name	OJ000251_50.0404.C9.o2.np	Method	AAT/NAP
Start	1872	End	2668
GI	4512231	Score	1210
Exons	1872..2668		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94588	Strand	-
Start	3851	End	5987
Name	OJ000251_50.0404.C9.o3.np	Method	AAT/NAP
Start	3851	End	5987
GI	6063554	Score	121
Exons	3851..4026, 5939..5987		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94589	Strand	-
Start	23404	End	30337
Name	OJ000251_50.0404.C9.o11.np	Method	AAT/NAP
Start	23404	End	30337
GI	7106512	Score	86
Exons	23404..23434, 30145..30203, 30277..30337		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9

Gene No.	94589	Strand	-
Start	23404	End	30337
Name	OJ000251_50.0404.C9.o3.gp	Method	AAT/GAP
Start	27910	End	28159
GI	LIB3475-004-P1-K2-A5	Score	424
Exons	27910..28159		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94589	Strand	-
Start	23404	End	30337
Name	OJ000251_50.0404.C9.o4.gp	Method	AAT/GAP
Start	28396	End	28646
GI	LIB3475-004-P1-K2-A5	Score	421
Exons	28396..28646		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94590	Strand	-
Start	32472	End	33971
Name	OJ000251_50.0404.C9.o12.np	Method	AAT/NAP
Start	32472	End	33971
GI	7248395	Score	1069
Exons	32472..32921, 33051..33195, 33393..33971		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o2.tw	Method	TBLASTX:Wheat
Start	141	End	494
GI	none	Score	249
Exons	141..494		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o1.tw	Method	TBLASTX:Wheat
Start	828	End	1181
GI	none	Score	267
Exons	828..1181		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o1.tm	Method	TBLASTX:Maize
Start	840	End	1178
GI	none	Score	85
Exons	840..1154, 969..1178		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o4.tw	Method	TBLASTX:Wheat
Start	1229	End	1427

GI	none	Score	131
Exons	1229..1411, 1230..1427		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o3.tw	Method	TBLASTX:Wheat
Start	12156	End	13677
GI	none	Score	49
Exons	12156..12209, 12217..12495, 12511..12681, 13570..13677		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o2.tm	Method	TBLASTX:Maize
Start	27885	End	29102
GI	none	Score	106
Exons	27885..28001, 27886..28011, 27889..28014, 27890..28027, 27999..28115, 28005..28127, 28007..28129, 28009..28128, 28371..28487, 28372..28497, 28375..28500, 28376..28513, 28485..28601, 28486..28614, 28493..28615, 28495..28614, 28858..28974, 28859..28984, 28862..28987, 28863..29000, 28972..29088, 28973..29101, 28980..29102, 28982..29101		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o7.gs	Method	GENSCAN
Start	36893	End	37505
GI	none	Score	.58
Exons	36893..36999, 37445..37505		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o14.np	Method	AAT/NAP
Start	37393	End	39342
GI	4680186	Score	237
Exons	37393..37614, 39318..39342		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o8.gs	Method	GENSCAN
Start	38776	End	39986
GI	none	Score	.4
Exons	38776..38807, 39929..39986		

Seq. No.	44849	Seq. ID	OJ000251_50.0404.C9
Gene No.	94591	Strand	-
Start	36893	End	39986
Name	OJ000251_50.0404.C9.o6.gp	Method	AAT/GAP
Start	39597	End	39978
GI	uC-osflcyp033a04b1	Score	675
Exons	39597..39978		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94592	Strand	+
Start	95	End	2149
Name	OJ000251_50.0404.C10.o1.np	Method	AAT/NAP
Start	95	End	2149
GI	6907087	Score	1390
Exons	95..477, 839..1508, 2048..2149		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94592	Strand	+
Start	95	End	2149
Name	OJ000251_50.0404.C10.o1.gs	Method	GENSCAN
Start	330	End	1731
GI	none	Score	.43
Exons	330..512, 555..676, 719..829, 914..1508, 1514..1731		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94593	Strand	+
Start	2612	End	2994
Name	OJ000251_50.0404.C10.o1.gp	Method	AAT/GAP
Start	2612	End	2994
GI	uC-osf1cyp033a04b1	Score	660
Exons	2612..2994		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94594	Strand	+
Start	3812	End	5360
Name	OJ000251_50.0404.C10.o3.gs	Method	GENSCAN
Start	3812	End	5360
GI	none	Score	.57
Exons	3812..3877, 4248..4282, 4691..4875, 4913..5130, 5223..5360		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94595	Strand	-
Start	2042	End	4494
Name	OJ000251_50.0404.C10.o2.gs	Method	GENSCAN
Start	2042	End	3408
GI	none	Score	.72
Exons	2042..2148, 2544..2746, 2843..2896, 3332..3408		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10
Gene No.	94595	Strand	-
Start	2042	End	4494
Name	OJ000251_50.0404.C10.o2.np	Method	AAT/NAP
Start	2541	End	4494
GI	4680186	Score	216
Exons	2541..2771, 2898..3040, 4451..4494		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44850	Seq. ID	OJ000251_50.0404.C10

Gene No.	94596	Strand	-
Start	6616	End	7012
Name	OJ000251_50.0404.C10.o4.gs	Method	GENSCAN
Start	6616	End	7012
GI	none	Score	.45
Exons	6616..6815, 6971..7012		

Seq. No.	44851	Seq. ID	OJ000251_50.0404.C11
Gene No.	94597	Strand	+
Start	1	End	1574
Name	OJ000251_50.0404.C11.o1.np	Method	AAT/NAP
Start	1	End	1076
GI	4680186	Score	242
Exons	1..61, 872..1076		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44851	Seq. ID	OJ000251_50.0404.C11
Gene No.	94597	Strand	+
Start	1	End	1574
Name	OJ000251_50.0404.C11.o1.gs	Method	GENSCAN
Start	211	End	1574
GI	none	Score	.6
Exons	211..269, 722..775, 874..1073, 1468..1574		

Seq. No.	44851	Seq. ID	OJ000251_50.0404.C11
Gene No.	94598	Strand	-
Start	624	End	1005
Name	OJ000251_50.0404.C11.o1.gp	Method	AAT/GAP
Start	624	End	1005
GI	uC-osflcyp033a04b1	Score	659
Exons	624..1005		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44851	Seq. ID	OJ000251_50.0404.C11
Gene No.	94599	Strand	-
Start	1467	End	3366
Name	OJ000251_50.0404.C11.o2.np	Method	AAT/NAP
Start	1467	End	3366
GI	6907087	Score	1405
Exons	1467..1568, 2109..2774, 2984..3366		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94600	Strand	+
Start	1	End	225
Name	OJ000251_50.0404.C12.o1.np	Method	AAT/NAP
Start	1	End	225
GI	4680185	Score	235
Exons	1..225		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146

Name	OJ000251_50.0404.C12.o2.np	Method	AAT/NAP
Start	662	End	5146
GI	4680179	Score	5208
Exons	662..4034, 4068..5146		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o6.tw	Method	TBLASTX:Wheat
Start	707	End	1063
GI	none	Score	154
Exons	707..1063, 771..1055		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o1.tm	Method	TBLASTX:Maize
Start	887	End	1457
GI	none	Score	94
Exons	887..1069, 903..1070, 911..1075, 1066..1137, 1066..1140, 1150..1296, 1155..1298, 1296..1457, 1303..1449		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o2.tw	Method	TBLASTX:Wheat
Start	1066	End	1637
GI	none	Score	207
Exons	1066..1155, 1155..1637, 1156..1581		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o4.tm	Method	TBLASTX:Maize
Start	1506	End	1797
GI	none	Score	202
Exons	1506..1796, 1510..1797		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o2.ts	Method	TBLASTX:Soybean
Start	1596	End	1856
GI	none	Score	151
Exons	1596..1856, 1597..1851		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o1.tc	Method	TBLASTX:Cress
Start	1620	End	1937
GI	none	Score	84
Exons	1620..1763, 1621..1761, 1764..1916, 1764..1937		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-

Start	662	End	5146
Name	OJ000251_50.0404.C12.o1.tw	Method	TBLASTX:Wheat
Start	1644	End	2222
GI	none	Score	327
Exons	1644..2222, 1645..2211		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o2.tm	Method	TBLASTX:Maize
Start	2211	End	2565
GI	none	Score	160
Exons	2211..2564, 2217..2564, 2218..2565		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o3.tw	Method	TBLASTX:Wheat
Start	2223	End	2636
GI	none	Score	355
Exons	2223..2636, 2224..2604		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o3.ts	Method	TBLASTX:Soybean
Start	2385	End	2630
GI	none	Score	95
Exons	2385..2630, 2386..2613		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o3.tm	Method	TBLASTX:Maize
Start	2601	End	3101
GI	none	Score	50
Exons	2601..2915, 2644..2694, 2717..2773, 2922..3101, 2974..3093		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o5.tw	Method	TBLASTX:Wheat
Start	2637	End	2939
GI	none	Score	188
Exons	2637..2939, 2643..2936, 2653..2937		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o1.ts	Method	TBLASTX:Soybean
Start	2652	End	3047
GI	none	Score	194
Exons	2652..3011, 2653..2940, 2974..3009, 3015..3047, 3016..3045		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146

Name	OJ000251_50.0404.C12.o4.tw	Method	TBLASTX:Wheat
Start	2988	End	3474
GI	none	Score	261
Exons	2988..3365, 3031..3474, 3420..3470		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o2.tc	Method	TBLASTX:Cress
Start	3024	End	3341
GI	none	Score	179
Exons	3024..3341		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o5.tm	Method	TBLASTX:Maize
Start	3114	End	3500
GI	none	Score	54
Exons	3114..3500, 3172..3330, 3397..3498		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o8.tw	Method	TBLASTX:Wheat
Start	3639	End	4007
GI	none	Score	66
Exons	3639..3752, 3640..3744, 3801..4007, 3802..3951		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o7.tm	Method	TBLASTX:Maize
Start	3690	End	4013
GI	none	Score	186
Exons	3690..4013		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o6.tm	Method	TBLASTX:Maize
Start	4367	End	4672
GI	none	Score	83
Exons	4367..4672, 4542..4658		

Seq. No.	44852	Seq. ID	OJ000251_50.0404.C12
Gene No.	94601	Strand	-
Start	662	End	5146
Name	OJ000251_50.0404.C12.o7.tw	Method	TBLASTX:Wheat
Start	4553	End	4913
GI	none	Score	146
Exons	4553..4912, 4554..4913		

Seq. No.	44853	Seq. ID	OJ000251_50.0404.C19
Gene No.	94602	Strand	+
Start	1	End	737
Name	OJ000251_50.0404.C19.o1.np	Method	AAT/NAP

Start	1	End	737
GI	2119980	Score	1247
Exons	1..737		
GI Descrip.	transposase (transposons) - Escherichia coli gi|43089|emb|CAA42760| (X60200) transposase [Escherichia coli] gi|303566|dbj|BAA03914| (D16449) transposase [Escherichia coli]		

Seq. No.	44854	Seq. ID	OJ000251_49.0410.C2
Gene No.	94603	Strand	+
Start	1	End	424
Name	OJ000251_49.0410.C2.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	2428185	Score	634
Exons	1..424		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	44854	Seq. ID	OJ000251_49.0410.C2
Gene No.	94604	Strand	+
Start	410	End	584
Name	OJ000251_49.0410.C2.o1.np	Method	AAT/NAP
Start	410	End	584
GI	6063554	Score	236
Exons	410..584		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44854	Seq. ID	OJ000251_49.0410.C2
Gene No.	94605	Strand	+
Start	957	End	1228
Name	OJ000251_49.0410.C2.o2.gp	Method	AAT/GAP
Start	957	End	1228
GI	61605_1.R1084	Score	446
Exons	957..1228		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o1.np	Method	AAT/NAP
Start	578	End	1628
GI	6983859	Score	1328
Exons	578..1628		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o2.tw	Method	TBLASTX:Wheat
Start	590	End	922
GI	none	Score	103
Exons	590..682, 679..921, 698..922		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3

Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o1.gs	Method	GENSCAN
Start	652	End	960
GI	none	Score	.66
Exons	652..960		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o1.tm	Method	TBLASTX:Maize
Start	781	End	1365
GI	none	Score	236
Exons	781..1209, 782..1210, 789..1214, 1207..1365, 1211..1363		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o1.tw	Method	TBLASTX:Wheat
Start	922	End	1548
GI	none	Score	288
Exons	922..1548, 923..1546		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o2.gs	Method	GENSCAN
Start	1015	End	1614
GI	none	Score	.94
Exons	1015..1614		

Seq. No.	44855	Seq. ID	OJ000251_49.0410.C3
Gene No.	94606	Strand	-
Start	652	End	1628
Name	OJ000251_49.0410.C3.o2.tm	Method	TBLASTX:Maize
Start	1366	End	1590
GI	none	Score	211
Exons	1366..1590, 1370..1588		

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o1.np	Method	AAT/NAP
Start	1	End	1521
GI	5257279	Score	2194
Exons	1..1521		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o1.tm	Method	TBLASTX:Maize
Start	86	End	525
GI	none	Score	79
Exons	86..415, 424..525		

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o1.tw	Method	TBLASTX:Wheat
Start	110	End	591
GI	none	Score	156
Exons	110..415, 114..407, 143..409,	424..591, 425..580	

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o3.tm	Method	TBLASTX:Maize
Start	526	End	688
GI	none	Score	141
Exons	526..687, 527..688		

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o2.tw	Method	TBLASTX:Wheat
Start	762	End	1140
GI	none	Score	74
Exons	762..884, 763..873, 764..889,	918..1139, 972..1052, 1018..1140	

Seq. No.	44856	Seq. ID	OJ000251_49.0410.C4
Gene No.	94607	Strand	-
Start	1	End	1521
Name	OJ000251_49.0410.C4.o2.tm	Method	TBLASTX:Maize
Start	822	End	1145
GI	none	Score	69
Exons	822..1145, 1021..1092		

Seq. No.	44857	Seq. ID	OJ000251_49.0410.C6
Gene No.	94608	Strand	-
Start	1302	End	1618
Name	OJ000251_49.0410.C6.o1.np	Method	AAT/NAP
Start	1298	End	1618
GI	3915131	Score	211
Exons	1298..1618		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	44857	Seq. ID	OJ000251_49.0410.C6
Gene No.	94608	Strand	-
Start	1302	End	1618
Name	OJ000251_49.0410.C6.o2.gs	Method	GENSCAN
Start	1302	End	1613
GI	none	Score	.99
Exons	1302..1613		

Seq. No.	44857	Seq. ID	OJ000251_49.0410.C6
Gene No.	94608	Strand	-
Start	1302	End	1618
Name	OJ000251_49.0410.C6.o1.gp	Method	AAT/GAP
Start	1433	End	1618

GI	uC-osf1M202075h01b1	Score	364
Exons	1433..1618		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 8.0e-13 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	44858	Seq. ID	OJ000251_49.0410.C7
Gene No.	94609	Strand	-
Start	66	End	7040
Name	OJ000251_49.0410.C7.o1.gp	Method	AAT/GAP
Start	66	End	186
GI	4878804	Score	206
Exons	66..186		
GI Descrip.	3915131/sp|Q42443|THIH_ORYSA 9.0e-09 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	44858	Seq. ID	OJ000251_49.0410.C7
Gene No.	94609	Strand	-
Start	66	End	7040
Name	OJ000251_49.0410.C7.o1.gs	Method	GENSCAN
Start	68	End	7040
GI	none	Score	.84
Exons	68..389, 610..1784, 3250..4225, 5151..5255, 6977..7040		

Seq. No.	44858	Seq. ID	OJ000251_49.0410.C7
Gene No.	94609	Strand	-
Start	66	End	7040
Name	OJ000251_49.0410.C7.o1.tm	Method	TBLASTX:Maize
Start	1058	End	1399
GI	none	Score	82
Exons	1058..1399, 1149..1265		

Seq. No.	44858	Seq. ID	OJ000251_49.0410.C7
Gene No.	94609	Strand	-
Start	66	End	7040
Name	OJ000251_49.0410.C7.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1750
GI	none	Score	66
Exons	1058..1216, 1220..1408, 1475..1552, 1476..1553, 1586..1750		

Seq. No.	44858	Seq. ID	OJ000251_49.0410.C7
Gene No.	94609	Strand	-
Start	66	End	7040
Name	OJ000251_49.0410.C7.o1.np	Method	AAT/NAP
Start	1190	End	3482
GI	7489400	Score	640
Exons	1190..1784, 3250..3482		
GI Descrip.	NBS-LRR type resistance protein - barley (fragment) gi|2792216|gb|AAB96983.1| (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	44859	Seq. ID	OJ000251_49.0410.C9

Gene No.	94610	Strand	-
Start	1140	End	1336
Name	OJ000251_49.0410.C9.o1.gs	Method	GENSCAN
Start	1140	End	1336
GI	none	Score	.78
Exons	1140..1226, 1289..1336		

Seq. No.	44860	Seq. ID	OJ000251_49.0410.C13
Gene No.	94611	Strand	+
Start	1	End	1762
Name	OJ000251_49.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	1262
GI	4680186	Score	253
Exons	1..54, 1057..1262		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	44860	Seq. ID	OJ000251_49.0410.C13
Gene No.	94611	Strand	+
Start	1	End	1762
Name	OJ000251_49.0410.C13.o1.gs	Method	GENSCAN
Start	907	End	1762
GI	none	Score	.92
Exons	907..960, 1660..1762		

Seq. No.	44860	Seq. ID	OJ000251_49.0410.C13
Gene No.	94612	Strand	-
Start	809	End	1190
Name	OJ000251_49.0410.C13.o1.gp	Method	AAT/GAP
Start	809	End	1190
GI	uC-osf1cyp033a04b1	Score	651
Exons	809..1190		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	44860	Seq. ID	OJ000251_49.0410.C13
Gene No.	94613	Strand	-
Start	1655	End	2336
Name	OJ000251_49.0410.C13.o2.np	Method	AAT/NAP
Start	1655	End	2336
GI	6907087	Score	177
Exons	1655..1756, 2307..2336		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44861	Seq. ID	OJ000251_49.0410.C14
Gene No.	94614	Strand	
Start	2388	End	3551
Name	OJ000251_49.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	2388	End	3374
GI	none	Score	268
Exons	2388..2681, 2390..2605, 2601..2672, 2692..2856, 2693..2872, 2873..3121, 2877..3317, 3162..3287, 3348..3374		

Seq. No.	44861	Seq. ID	OJ000251_49.0410.C14
Gene No.	94614	Strand	
Start	2388	End	3551

Name	OJ000251_49.0410.C14.o3.tw	Method	TBLASTX:Wheat
Start	2436	End	2677
GI	none	Score	229
Exons	2436..2675, 2462..2677		

Seq. No.	44861	Seq. ID	OJ000251_49.0410.C14
Gene No.	94614	Strand	
Start	2388	End	3551
Name	OJ000251_49.0410.C14.o2.tw	Method	TBLASTX:Wheat
Start	2692	End	3101
GI	none	Score	147
Exons	2692..2853, 2693..2878, 2877..3032, 3042..3101		

Seq. No.	44861	Seq. ID	OJ000251_49.0410.C14
Gene No.	94614	Strand	
Start	2388	End	3551
Name	OJ000251_49.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	2958	End	3518
GI	none	Score	168
Exons	2958..3308, 3312..3518		

Seq. No.	44861	Seq. ID	OJ000251_49.0410.C14
Gene No.	94614	Strand	
Start	2388	End	3551
Name	OJ000251_49.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	3108	End	3551
GI	none	Score	287
Exons	3108..3551, 3227..3460		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94615	Strand	+
Start	3962	End	7037
Name	OJ000251_49.0410.C15.o3.gs	Method	GENSCAN
Start	3962	End	6223
GI	none	Score	.7
Exons	3962..4084, 5113..5560, 5640..6223		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94615	Strand	+
Start	3962	End	7037
Name	OJ000251_49.0410.C15.o3.np	Method	AAT/NAP
Start	5113	End	7037
GI	6983860	Score	954
Exons	5113..6135, 6977..7037		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94616	Strand	-
Start	1	End	2639
Name	OJ000251_49.0410.C15.o1.np	Method	AAT/NAP
Start	1	End	370
GI	5852179	Score	203
Exons	1..72, 147..370		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15

Gene No.	94616	Strand	-
Start	1	End	2639
Name	OJ000251_49.0410.C15.o2.np	Method	AAT/NAP
Start	1	End	2639
GI	5852179	Score	302
Exons	1..38, 2089..2346, 2421..2639		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94616	Strand	-
Start	1	End	2639
Name	OJ000251_49.0410.C15.o1.gs	Method	GENSCAN
Start	19	End	888
GI	none	Score	.95
Exons	19..372, 712..888		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94616	Strand	-
Start	1	End	2639
Name	OJ000251_49.0410.C15.o2.gs	Method	GENSCAN
Start	2198	End	2533
GI	none	Score	.66
Exons	2198..2533		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94617	Strand	-
Start	5202	End	5689
Name	OJ000251_49.0410.C15.o2.gp	Method	AAT/GAP
Start	5202	End	5689
GI	uC-osflcyp162a07a1	Score	683
Exons	5202..5434, 5534..5689		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94618	Strand	-
Start	6515	End	6561
Name	OJ000251_49.0410.C15.o1.tw	Method	TBLASTX:Wheat
Start	5275	End	5622
GI	none	Score	279
Exons	5275..5622, 5283..5453, 5490..5621		

Seq. No.	44862	Seq. ID	OJ000251_49.0410.C15
Gene No.	94618	Strand	-
Start	6515	End	6561
Name	OJ000251_49.0410.C15.o4.gs	Method	GENSCAN
Start	6515	End	6561
GI	none	Score	.76
Exons	6515..6561		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94619	Strand	+
Start	1	End	1062
Name	OJ000251_49.0410.C16.o1.np	Method	AAT/NAP
Start	1	End	1062
GI	6630696	Score	1813
Exons	1..1062		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o2.tw	Method	TBLASTX:Wheat
Start	1	End	450
GI	none	Score	43
Exons	1..42, 37..243, 397..450		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o1.ts	Method	TBLASTX:Soybean
Start	96	End	447
GI	none	Score	141
Exons	96..260, 97..255, 255..443, 256..444, 265..447		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	223	End	594
GI	none	Score	350
Exons	223..594, 246..593		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o1.tw	Method	TBLASTX:Wheat
Start	451	End	926
GI	none	Score	97
Exons	451..525, 456..524, 540..926, 541..924		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o2.ts	Method	TBLASTX:Soybean
Start	457	End	798
GI	none	Score	89
Exons	457..570, 492..560, 589..798, 594..719		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o2.tm	Method	TBLASTX:Maize
Start	936	End	1259
GI	none	Score	86
Exons	936..1025, 936..1025, 937..1026, 938..1027, 1065..1208, 1071..1160, 1075..1167, 1076..1168, 1215..1259, 1234..1257		

Seq. No.	44863	Seq. ID	OJ000251_49.0410.C16
Gene No.	94620	Strand	-
Start	4179	End	4249
Name	OJ000251_49.0410.C16.o2.gs	Method	GENSCAN

Start	4179	End	4249
GI	none	Score	.89
Exons	4179..4249		

Seq. No.	44864	Seq. ID	OJ000251_49.0410.C17
Gene No.	94621	Strand	+
Start	527	End	641
Name	OJ000251_49.0410.C17.o1.np	Method	AAT/NAP
Start	527	End	641
GI	6324074	Score	90
Exons	527..641		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF N0852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71		

Seq. No.	44865	Seq. ID	OJ000251_49.0410.C18
Gene No.	94622	Strand	+
Start	1	End	186
Name	OJ000251_49.0410.C18.o1.np	Method	AAT/NAP
Start	1	End	186
GI	6063554	Score	264
Exons	1..186		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	44865	Seq. ID	OJ000251_49.0410.C18
Gene No.	94623	Strand	-
Start	578	End	850
Name	OJ000251_49.0410.C18.o1.gp	Method	AAT/GAP
Start	578	End	850
GI	61605_1.R1084	Score	430
Exons	578..850		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94624	Strand	-
Start	1	End	1457
Name	OJ000251_49.0410.C19.o1.np	Method	AAT/NAP
Start	1	End	1457
GI	4680179	Score	2397
Exons	1..1457		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94624	Strand	-
Start	1	End	1457
Name	OJ000251_49.0410.C19.o1.gs	Method	GENSCAN
Start	269	End	1457
GI	none	Score	.94
Exons	269..1457		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19

Gene No.	94625	Strand	-
Start	1709	End	2862
Name	OJ000251_49.0410.C19.o2.gs	Method	GENSCAN
Start	1709	End	2862
GI	none	Score	.74
Exons	1709..2485, 2564..2641, 2851..2862		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94625	Strand	-
Start	1709	End	2862
Name	OJ000251_49.0410.C19.o2.np	Method	AAT/NAP
Start	1712	End	2575
GI	5042448	Score	1297
Exons	1712..2575		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94626	Strand	-
Start	3218	End	3487
Name	OJ000251_49.0410.C19.o1.gp	Method	AAT/GAP
Start	3218	End	3487
GI	61605_1.R1084	Score	428
Exons	3218..3487		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94627	Strand	-
Start	4468	End	4718
Name	OJ000251_49.0410.C19.o3.gp	Method	AAT/GAP
Start	4468	End	4718
GI	101153_1.R1084	Score	401
Exons	4468..4718		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94628	Strand	-
Start	9626	End	12682
Name	OJ000251_49.0410.C19.o8.tw	Method	TBLASTX:Wheat
Start	6	End	270
GI	none	Score	81
Exons	6..269, 130..270		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94628	Strand	-
Start	9626	End	12682
Name	OJ000251_49.0410.C19.o6.tm	Method	TBLASTX:Maize
Start	627	End	959
GI	none	Score	120
Exons	627..959, 675..959, 772..942		

Seq. No.	44866	Seq. ID	OJ000251_49.0410.C19
Gene No.	94628	Strand	-
Start	9626	End	12682
Name	OJ000251_49.0410.C19.o7.tw	Method	TBLASTX:Wheat